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2015 Soybean, Sorghum Grain and Silage, and Summer Annual Forages Performance Tests

John D. Gassett, Dustin G. Dunn, Henry Jordan Jr., and J. LaDon Day, Editors

Department of Crop and Soil Sciences
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Conversion Table

U.S. Abbr.	Unit	Approximate Metric Equivalent
	Length	
mi	mile	1.609 kilometers
yd	yard	0.9144 meters
ft *or* '	foot	30.48 centimeters
in *or* "	inch	2.54 centimeters
	Area	
sq mi *or* mi^2	square mile	2.59 square kilometers
acre	acre	0.405 hectares *or* 4047 square meters
sq ft *or* ft^2	square foot	0.093 square meters
	Volume/Capacity	
gal	gallon	3.785 liters
qt	quart	0.946 liters
pt	pint	0.473 liters
fl oz	fluid ounce	29.573 milliliters or 28.416 cubic centimeters
bu	bushel	35.238 liters
cu ft *or* ft^3	cubic foot	0.028 cubic meters
	Mass/Weight	
ton	ton	0.907 metric ton
lb	pound	0.453 kilogram
oz	ounce	28.349 grams

Metric Abbr.	Unit	Approximate U.S. Equivalent
	Length	
km	kilometer	0.62 mile
m	meter	39.37 inches *or* 1.09 yards
cm	centimeter	0.39 inch
mm	millimeter	0.04 inch
	Area	
ha	hectare	2.47 acres
	Volume/Capacity	
liter	liter	61.02 cubic inches *or* 1.057 quarts
ml	milliliter	0.06 cubic inch *or* 0.034 fluid ounce
cc	cubic centimeter	0.061 cubic inch *or* 0.035 fluid ounce
	Mass/Weight	
MT	metric ton	1.1 tons
kg	kilogram	2.205 pounds
g	gram	0.035 ounce
mg	milligram	3.5×10^{-5} ounce

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PREFACE

This research report presents the results of the 2015 statewide performance tests of soybean, sorghum grain and silage, and summer annual forages. The tests for various evaluations were conducted at several or all of the following locations: Tifton, Plains, and Midville in the Coastal Plain region; Griffin and Athens in the Piedmont region; and Calhoun in the Limestone Valley region. For identification of the test site locations, consult the map inside the back cover of this report.

The University of Georgia soybean variety trials are irrigated. In addition, dryland soybean variety trials were conducted at four locations (Midville, Plains, Tifton, and Griffin), and irrigated, ultra-late planted soybean variety trials were conducted at Midville and Attapulgus. All are included in this report.

Agronomic information, such as plant height, lodging, disease occurrence, etc., is listed along with the yield data. Information concerning planting and harvest dates, soil type, and culture and fertilization practices used in each trial is included in footnotes. Since the average yield for several years gives a better indication of a variety's potential than one year's data, multiple-year yield summaries have been included.

In order to have a broad base of information, a number of varieties, including experimental lines, are included in the trials, but this does not imply that all are recommended for Georgia. Varieties best suited to a specific area or for a particular purpose, and agreed upon by College of Agricultural and Environmental Sciences agronomists, are presented in the 2016 Spring Planting Schedule for Georgia (available from your county Extension office). Pesticides used for production practices are included for the benefit of the reader and do not imply any endorsement or preferential treatment by the University of Georgia Agricultural Experiment Station. For additional information, contact your local county Extension agent or the nearest experiment station.

The least significant difference (LSD) at the 10% level has been included in the tables to aid in comparing hybrids. If the yields of any two hybrids exceed the LSD value, they may be considered different in yield ability. **Bolding** is used in the performance tables to indicate hybrids with yields statistically equal to the highest yielding entry in the test. The standard error (Std. Err.) of an entry mean is included at the bottom of each table to provide a general indicator of the level of precision of each experiment. The lower the value of the standard error of the entry mean, the more precise the experiment.

This report is one of five publications presenting the performance of agronomic crops in Georgia. For more information concerning other crops, refer to one of the following research reports: 2015 Corn Performance Tests (Annual Publication #101-7), 2014-2015 Small Grains Performance Tests (Annual Publication #100-7), 2014 Peanut, Cotton, and Tobacco Performance Tests (Annual Publication #104-6), and 2013-2014 Canola data available at www.swvt.uga.edu/canola.html.

This report, along with performance test information on other crops, is also available online at **www.swvt.uga.edu**. Additional information may be obtained by writing John Gassett, Crop and Soil Sciences Department, University of Georgia, Griffin Campus, 1109 Experiment Street, Griffin, GA 30223-1797.

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2015 Soybean, Sorghum Grain and Silage, and Summer Annual Forages Performance Tests

Edited by
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and J. LaDon Day

The Season

Georgia agricultural producers were faced with highly variable weather conditions for planting across the state in 2015. For most of the state, soil moisture was adequate for planting, but spring plantings of soybeans and sorghum were delayed due to excessive rainfall amounts early in the spring, and the lack thereof for many in the Coastal Plain in May. Low soil temperatures from cool nights and lower than normal temperatures during the day were also concerning. Irrigation needs increased across much of the state in May and June. Harvesting was an issue for many growers due to frequent amounts of precipitation and wet soils. Asian soybean rust was not a concern for Georgia growers this year as it was in 2013. The predominant insect pests included armyworms and the sugar cane aphid.

Rainfall amounts recorded monthly at the six test locations in Georgia during the 2015 growing season are presented in the following table. Calhoun and Midville were the only two locations out of six that received less than normal rainfall for the season.

Growing Season Rainfall[1], 2015

Month	Year	Athens[2]	Calhoun[3]	Griffin	Midville	Plains	Tifton
		---------- inches ----------					
March	2015	3.19	3.73	3.68	3.50	1.46	1.50
April	2015	8.58	5.99	7.16	4.04	6.28	5.63
May	2015	2.25	2.85	2.74	1.49	1.90	0.92
June	2015	2.81	3.48	5.08	3.31	2.55	3.43
July	2015	4.17	3.93	2.38	3.04	4.37	12.80
August	2015	6.42	5.28	8.41	3.90	6.84	4.35
September	2015	5.24	3.06	4.11	2.93	6.79	1.52
October	2015	8.20	5.86	2.25	2.58	1.37	1.95
November	2015	9.84	6.81	9.51	5.00	6.86	4.86
Total (9 mo)		50.70	40.99	45.32	29.79	38.42	36.96
Normal (9 mo)		35.87	41.50	36.50	32.55	35.19	33.61

1. Data for Georgia sites collected by Dr. I. Flitcroft, Griffin Campus, Griffin, Ga.
2. Plant Sciences Farm.
3. Floyd County location.

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The 2015 crop maturity progressed normally based on the five-year average, while harvest conditions continued to be challenging with weekly rainfall. Georgia soybean producers planted 330,000 acres this year, a 10% increase from 2014. 50,000 acres of sorghum were planted in 2015, an increase of 10,000 acres from last year.

The state yield for soybeans was 44 bushels per acre and produced 14.08 million bushels. This production was an 18% increase over 2014 due to the increase in acres planted and bushels per acre produced. 26,000 acres of grain sorghum were harvested in Georgia this year. This is the same amount as the previous year. Current sorghum silage production is not available, but according to the USDA NASS Website, 14,200 acres were harvested equaling 174,600 tons or 12.2 tons/acre (averages of the last five years). Hay production increased 13% to 3 tons/acre or 1.62 million tons in 2015.

SOYBEAN

Summary of MG V and MG VI Soybean Variety Performance at Six Locations, 2015

Company/Brand	Variety	2015 Yield[1]						Statewide Average	
		Athens	Calhoun	Griffin	Midville	Plains	Tifton	2015	2-Year
		bu/acre							
Maturity Group V									
AGSouth	AGS 533 LL	41.2	42.6	**88.8**	68.2	72.0	**82.1**	**65.8**	**61.8**
AGSouth	AGS 568RR	48.7	**51.8**	64.4	75.8	**74.6**	78.2	**65.6**	**62.3**
AGSouth	AGS 5911LL	41.7	40.1	73.3	69.5	76.2	76.0	62.8	.
AR	R09-430	45.2	45.4	69.2	**80.2**	65.6	**84.1**	**65.0**	.
AR	R10-197RY	37.5	45.7	65.8	70.8	64.1	71.4	59.2	.
AR	UA 5213C	42.7	45.7	72.7	72.4	**78.0**	77.7	**64.9**	61.2
AR	UA 5414RR	38.6	41.1	62.7	67.7	57.2	76.1	57.2	.
AR	UA 5612	47.3	43.8	68.5	68.1	68.3	72.4	61.4	59.4
AR	UA 5814HP	50.9	**51.6**	59.1	71.8	**77.2**	70.5	63.5	.
Bayer	CZ 4959 RY	29.3	46.1	60.4	69.2	67.9	73.6	57.7	.
Bayer	CZ 5515 LL	43.9	41.6	64.2	67.4	68.0	79.2	60.7	.
Bayer	CZ 5727 LL	50.3	48.8	66.9	71.3	70.4	75.9	63.9	.
Bayer	CZ 5947 LL	**55.8**	47.8	54.3	72.9	63.5	79.1	62.2	.
Bayer	HBK LL4950	34.0	45.4	70.0	65.2	63.8	72.5	58.5	59.3
Bayer	HBK RY5221	43.8	**52.4**	**80.4**	66.8	60.8	62.6	61.1	55.0
Croplan Genetics	5R2C56	39.3	**50.3**	62.3	74.6	69.2	79.9	62.6	.
Croplan Genetics	R2C5673	37.1	47.5	75.4	74.4	**81.9**	79.7	**66.0**	.
Dyna-Gro	39RY57	39.8	36.4	70.6	76.3	**78.5**	**82.8**	64.1	61.4
Dyna-Gro	S56RY84	48.4	42.7	72.4	70.8	**78.3**	**83.0**	**65.9**	**64.0**
NK	S52-Y2 Brand	32.2	46.7	68.4	76.9	**77.5**	**81.0**	63.8	61.6
NK	S53-A1	38.2	48.2	78.6	64.9	71.1	72.0	62.1	.
NK	S58-Z4	**59.4**	47.1	71.0	**82.2**	**78.1**	74.4	**68.7**	.
Pioneer	P52T50R	43.0	44.2	77.2	74.6	69.0	80.4	64.7	.
Pioneer	P54T94R	**52.7**	48.4	71.9	**80.6**	69.8	**83.4**	**67.8**	**62.2**
Pioneer	P56T12SR	**55.5**	**56.1**	68.1	76.0	**78.1**	76.7	**68.4**	.
Public Variety	Osage	35.3	37.3	**86.6**	69.8	65.6	77.3	62.0	59.1
SS	5513N R2	44.1	42.8	62.9	73.5	**75.5**	79.0	63.0	**62.1**
SS	5711N R2	47.5	34.9	72.3	76.0	66.1	**85.7**	63.7	**62.5**
SS	LL 5914NS	**59.6**	38.7	66.7	67.7	**74.9**	75.9	63.9	.
SS	SS 5511N R2	41.6	46.7	**79.8**	74.5	68.7	74.8	64.3	**61.7**
SS	SS 5615N R2	46.0	46.1	72.7	74.8	**74.7**	77.7	**65.3**	.
Terral-REV®	55R53™	46.8	45.3	74.9	76.2	72.5	**81.7**	**66.2**	**61.5**
Terral-REV®	56R63™	43.3	48.1	69.2	67.7	**76.7**	74.6	63.3	60.0
Terral-REV®	57R21™	47.7	47.1	62.9	69.2	71.4	73.4	61.9	58.3
University of MO	S11-16653	43.2	**56.8**	71.4	68.4	**75.4**	80.1	**65.9**	.
University of MO	S11-17025	36.8	42.9	53.1	71.3	67.6	79.8	58.6	.
University of MO	S11-20124	**55.6**	43.9	**82.7**	72.3	74.2	72.8	**66.9**	.
University of MO	S11-20195	49.6	45.6	64.7	70.4	67.4	77.6	62.6	.
University of MO	S11-20337	36.1	47.3	64.9	68.2	61.4	68.8	57.8	.
USDA-ARS	JTN-5110	33.5	45.4	61.0	70.5	70.2	76.7	59.5	.
USG	75J90R	43.2	39.7	**79.6**	75.3	68.3	76.7	63.8	.
Average		44.1	45.5	69.8	72.1	71.0	77.0	63.2	60.8
LSD at 10% Level		7.7	6.5	10.1	5.0	7.4	5.1	3.8	2.5
Std. Err. of Entry Mean		3.3	2.8	4.3	2.1	3.2	2.2	1.6	1.1

Summary of MG V and MG VI Soybean Variety Performance at Six Locations, 2015 (Continued)

Company/Brand	Variety	2015 Yield[1]						Statewide Average	
		Athens	Calhoun	Griffin	Midville	Plains	Tifton	2015	2-Year
		bu/acre							
Maturity Group VI									
AGSouth	AGS 674 LL	39.8	44.9	59.5	63.9	71.0	**73.3**	58.7	.
Asgrow	AG6536 GENRR2Y	33.3	42.5	63.2	67.5	**81.8**	64.5	58.8	.
Bayer	CZ 6060 RY	34.7	46.5	**74.1**	**73.9**	**84.4**	**69.6**	**63.8**	.
Bayer	CZ 6109 LL	37.6	43.0	66.3	**77.4**	75.6	68.4	**61.4**	.
Bayer	CZ 6316 LL	36.4	41.5	65.4	69.6	76.2	**71.5**	60.1	.
Bayer	CZ 6515 LL	**47.1**	**51.9**	54.9	63.7	71.4	**75.4**	**60.7**	.
Croplan Genetics	5R2T65	22.0	45.9	**68.8**	**72.1**	76.6	**71.1**	59.4	.
Croplan Genetics	R2C6192	31.2	45.1	67.2	64.5	68.6	65.3	57.0	.
Croplan Genetics	R2C6764	28.6	42.4	65.3	70.0	**84.3**	63.4	59.0	57.6
Dyna-Gro	S65RY73	**44.8**	45.7	66.4	**72.7**	**80.9**	62.6	**62.2**	**61.2**
Dyna-Gro	S67RY25	22.5	42.2	57.8	70.5	**80.5**	66.1	56.6	.
Meherrin	SH 6215 LL	42.4	46.7	53.2	62.4	78.4	65.6	58.1	.
Meherrin	SH 6515 LL	38.3	**50.2**	**68.6**	**73.7**	76.3	**76.6**	**64.0**	.
Meherrin	SH 6815 LL	41.0	38.0	60.5	62.4	74.6	**75.3**	58.6	.
NK	S67-R6 Brand	**50.3**	**55.7**	64.2	69.8	**81.2**	68.3	**64.9**	**63.2**
Pioneer	P67T25R2	41.2	38.6	58.9	**71.8**	**84.7**	64.5	59.9	.
Public Variety	Musen	35.0	45.8	52.7	61.5	78.6	63.0	56.1	53.7
SS	LL 6314S	**46.8**	45.4	53.4	70.5	75.2	69.1	60.1	.
SS	SS 6315 R2	27.4	27.7	61.5	70.4	76.4	52.8	52.7	.
SS	SS 6810N R2	39.6	39.9	61.0	65.8	**80.8**	**75.6**	**60.5**	58.5
TA Seeds	TS6569R2	27.5	30.4	65.2	70.9	79.3	42.2	52.6	.
USG	76J45R	28.4	35.0	58.6	65.9	**85.1**	51.7	54.1	.
USG	76S73R	25.1	41.0	56.3	65.5	**85.6**	64.5	56.3	.
Average		35.7	42.9	61.9	68.5	78.6	66.1	58.9	58.8
LSD at 10% Level		5.7	5.6	6.6	5.6	5.7	7.0	4.6	3.1
Std. Err. of Entry Mean		2.4	2.5	2.8	2.3	2.4	2.9	2.0	1.3

1. Yields calculated at 13% moisture.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Summary of MG VII and MG VIII Soybean Variety Performance at Six Locations, 2015

Company/Brand	Variety	2015 Yield[1]						Statewide Average	
		Late-Planted		Early-Planted					
		Griffin	Plains	Athens	Midville	Plains	Tifton	2015	2-Year
		bu/acre							
Maturity Groups VII and VIII									
AGSouth	AGS 738 RR	57.6	**74.0**	47.5	**65.0**	**84.2**	**79.9**	**68.0**	65.3
AGSouth	AGS 757 RR	**62.0**	66.5	51.1	56.0	79.0	60.4	62.5	62.1
AGSouth	AGS 807	57.0	70.0	45.0	53.9	80.9	**79.5**	64.4	62.1
AGSouth	AGS 828 RR	52.3	70.0	48.8	51.4	79.9	70.8	62.2	61.2
AGSouth	AGS Woodruff	**63.5**	**73.5**	**63.1**	**64.6**	80.6	**78.5**	**70.6**	65.2
Asgrow	AG7535 GENRR2Y	**62.4**	**79.7**	53.9	**68.0**	**87.6**	**79.5**	**71.9**	**69.9**
Bayer	CZ 7007 LL	54.0	67.2	52.0	58.6	77.1	64.4	62.2	.
Bayer	CZ 7070 RY	**60.0**	**76.2**	42.2	**64.8**	**86.3**	**79.2**	**68.1**	65.6
Bayer	CZ 7132 LL	54.3	60.5	43.4	47.6	73.5	60.8	56.7	.
Bayer	HBK RY7523	**60.4**	72.6	46.1	62.1	78.8	69.1	64.8	60.9
Croplan Genetics	5R2C72S	55.9	68.5	.	.	.	.	.	.
Croplan Genetics	R2C7622	**61.4**	**73.3**	48.6	57.1	**84.9**	72.2	66.2	.
Dyna-Gro	S72RS36	**67.4**	71.6	51.2	64.3	**82.8**	76.5	**69.0**	.
Dyna-Gro	S74RY15	**60.6**	**73.0**	47.3	60.9	**84.8**	66.1	65.5	61.4
Dyna-Gro	S77RY85	59.3	68.4	46.6	63.7	80.5	**80.4**	66.5	64.7
Meherrin	SH 7116 LL	**61.3**	60.5	27.4	48.5	75.5	57.8	55.2	.
NK	S73-S8	56.5	**73.8**	39.9	57.9	**83.8**	**79.1**	65.2	.
NK	S74-M3	55.7	**74.1**	51.7	**70.3**	**88.0**	**79.6**	**69.9**	**67.4**
Pioneer	P76T54R2	**60.8**	65.4	44.0	**69.0**	**89.4**	69.8	66.4	.
Public Variety	Cheraw	**61.8**	64.4	**55.7**	60.8	78.3	71.5	65.4	.
Public Variety	Cook	47.2	60.1	42.5	58.1	72.9	72.8	58.9	55.8
Public Variety	Maxcy	58.4	66.4	46.1	54.7	78.0	72.3	62.6	.
Public Variety	Paul	50.8	**73.1**	44.6	50.7	**84.9**	67.7	62.0	.
Public Variety	Santee	51.1	68.6	44.5	59.0	79.1	72.4	62.4	61.2
SC	SC06-291RR	43.4	67.6	50.0	50.5	71.4	61.3	57.4	.
SC	SC06-301RR	59.4	71.9	53.7	52.7	75.8	57.1	61.8	59.7
SC	SC07-108RR	52.4	**75.3**	53.4	49.8	79.6	66.0	62.7	62.1
SC	SC07-1490RR	57.5	66.6	52.3	60.2	76.4	74.8	64.6	60.4
SC	SC07-1518RR	**62.0**	61.6	49.3	**64.8**	76.7	74.4	64.8	61.2
SC	SC09-092RR	55.8	60.4	45.0	58.6	70.8	60.3	58.5	.
SS	SS 7215NS R2	**65.8**	69.5	50.5	59.8	82.0	**78.7**	67.7	.
TA Seeds	TS8059R2	50.8	68.4	48.2	59.6	76.0	74.2	62.9	.
Terral-REV®	73A74™	55.4	53.9	48.9	**64.7**	75.0	66.1	60.7	58.9
UGA	G00-3213	58.0	71.7	**60.2**	63.1	80.5	74.4	**68.0**	.
UGA	G00-3880	56.3	68.7	49.5	61.5	81.5	76.9	65.8	.
UGA	G10PR-56444R2	48.3	**78.0**	54.1	63.4	**85.6**	71.8	66.9	64.9
UGA	G11PR-209R2	55.7	68.0	44.8	64.3	80.4	**78.6**	65.3	64.0
UGA	G11PR-407R2	**62.2**	69.9	51.1	60.8	75.5	68.6	64.7	61.9
UGA	G11PR-56151R2	**60.0**	**76.4**	**60.2**	**67.5**	78.7	72.4	**69.2**	64.7
UGA	G11PR-56238R2	51.2	**77.7**	44.6	64.3	**83.4**	74.8	66.0	63.9

Summary of MG VII and MG VIII Soybean Variety Performance at Six Locations, 2015 (Continued)

Company/Brand	Variety	2015 Yield[1] Late-Planted Griffin	Late-Planted Plains	Early-Planted Athens	Early-Planted Midville	Early-Planted Plains	Early-Planted Tifton	Statewide Average 2015	Statewide Average 2-Year
		bu/acre							
Maturity Groups VII and VIII - continued									
UGA	G13LL-44	**65.2**	70.3	54.1	**67.0**	**85.0**	73.4	**69.2**	.
UGA	G13LL-5	**59.8**	71.5	**55.2**	62.6	80.7	74.6	67.4	.
UGA	G13LL-56	**64.2**	68.6	50.9	**68.2**	81.3	74.1	67.9	.
UGA	G13LL-7	54.5	66.3	**61.3**	62.5	**85.8**	**85.3**	**69.3**	.
USG	77J25RS		**76.1**	44.4	**69.0**	81.9	73.6	**68.6**	.
USG	77S40R	**64.8**	**73.5**	44.8	**70.7**	**84.3**	**79.6**	**69.6**	**67.2**
USG	78S04R	**62.5**	70.3	41.2	56.9	73.8	66.0	61.8	59.1
Average		57.9	69.7	48.9	60.6	80.3	72.1	64.9	62.8
LSD at 10% Level		7.6	6.7	8.4	6.1	6.8	7.8	3.9	2.7
Std. Err. of Entry Mean		3.2	2.8	3.6	2.6	2.9	3.3	1.7	1.2

1. Yields calculated at 13% moisture.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Regional Summary of MG V and MG VI Soybean Variety Performance, 2015

Company or Brand Name	Variety	Yield[1] South[2] 2015	South[2] 2-Year Average	North[3] 2015	North[3] 2-Year Average	Statewide 2015	Statewide 2-Year Average
		bu/acre					
Maturity Group V							
AGSouth	AGS 533 LL	74.1	68.8	**57.5**	**54.8**	**65.8**	**61.8**
AGSouth	AGS 568RR	**76.2**	69.7	54.9	**54.9**	**65.6**	**62.3**
AGSouth	AGS 5911LL	73.9	.	51.7	.	62.8	.
AR	R09-430	**76.6**	.	53.3	.	**65.0**	.
AR	R10-197RY	68.7	.	49.6	.	59.2	.
AR	UA 5213C	**76.1**	67.7	53.7	**54.6**	**64.9**	61.2
AR	UA 5414RR	67.0	.	47.5	.	57.2	.
AR	UA 5612	69.6	65.6	53.2	**53.1**	61.4	59.4
AR	UA 5814HP	73.2	.	53.9	.	63.5	.
Bayer	CZ 4959 RY	70.2	.	45.2	.	57.7	.
Bayer	CZ 5515 LL	71.5	.	49.9	.	60.7	.
Bayer	CZ 5727 LL	72.5	.	**55.3**	.	63.9	.
Bayer	CZ 5947 LL	71.8	.	52.6	.	62.2	.
Bayer	HBK LL4950	67.2	66.4	49.8	**52.1**	58.5	59.3
Bayer	HBK RY5221	63.4	56.7	**58.9**	**53.3**	61.1	55.0
Croplan Genetics	5R2C56	74.5	.	50.7	.	62.6	.
Croplan Genetics	R2C5673	**78.7**	.	53.3	.	**66.0**	.
Dyna-Gro	39RY57	**79.2**	**72.3**	48.9	**50.6**	64.1	61.4
Dyna-Gro	S56RY84	**77.4**	**73.1**	54.5	**55.0**	**65.9**	**64.0**
NK	S52-Y2 Brand	**78.5**	**72.1**	49.1	**51.1**	63.8	**61.6**
NK	S53-A1	69.3	.	55.0	.	62.1	.
NK	S58-Z4	**78.3**	.	**59.2**	.	**68.7**	.
Pioneer	P52T50R	74.7	.	54.8	.	64.7	.
Pioneer	P54T94R	**78.0**	**70.0**	**57.6**	**54.5**	**67.8**	**62.2**
Pioneer	P56T12SR	**76.9**	.	**59.9**	.	**68.4**	.
Public Variety	Osage	70.9	67.0	53.1	**51.1**	62.0	59.1
SS	5513N R2	**76.0**	**72.2**	49.9	**51.9**	63.0	**62.1**
SS	5711N R2	**75.9**	**71.9**	51.5	**53.1**	63.7	**62.5**
SS	LL 5914NS	72.8	.	55.0	.	63.9	.
SS	SS 5511N R2	72.6	67.6	**56.0**	**55.7**	64.3	**61.7**
SS	SS 5615N R2	75.7	.	54.9	.	**65.3**	.
Terral-REV®	55R53™	**76.8**	69.7	**55.7**	**53.4**	**66.2**	**61.5**
Terral-REV®	56R63™	73.0	67.4	53.5	**52.6**	63.3	60.0
Terral-REV®	57R21™	71.3	64.0	52.6	**52.6**	61.9	58.3
University of MO	S11-16653	74.6	.	**57.1**	.	**65.9**	.
University of MO	S11-17025	72.9	.	44.3	.	58.6	.
University of MO	S11-20124	73.1	.	**60.7**	.	**66.9**	.
University of MO	S11-20195	71.8	.	53.3	.	62.6	.
University of MO	S11-20337	66.1	.	49.4	.	57.8	.
USDA-ARS	JTN-5110	72.5	.	46.6	.	59.5	.
USG	75J90R	73.4	.	54.2	.	63.8	.
Average		73.3	68.4	53.1	53.2	63.2	60.8
LSD at 10% Level		3.4	3.1	5.6	N.S.[4]	3.8	2.5
Std. Err. of Entry Mean		1.5	1.3	2.4	1.7	1.6	1.1

Regional Summary of MG V and MG VI Soybean Variety Performance, 2015 (Continued)

Company or Brand Name	Variety	Yield[1] South[2] 2015	South[2] 2-Year Average	North[3] 2015	North[3] 2-Year Average	Statewide 2015	Statewide 2-Year Average
		bu/acre					
Maturity Group VI							
AGSouth	AGS 674 LL	**69.4**	.	48.1	.	58.7	.
Asgrow	AG6536 GENRR2Y	**71.3**	.	46.3	.	58.8	.
Bayer	CZ 6060 RY	**75.9**	.	**51.8**	.	**63.8**	.
Bayer	CZ 6109 LL	**73.8**	.	48.9	.	**61.4**	.
Bayer	CZ 6316 LL	**72.4**	.	47.8	.	60.1	.
Bayer	CZ 6515 LL	**70.2**	.	51.3	.	**60.7**	.
Croplan Genetics	5R2T65	**73.3**	.	45.6	.	59.4	.
Croplan Genetics	R2C6192	**66.1**	.	47.9	.	57.0	.
Croplan Genetics	R2C6764	**72.6**	**69.7**	45.4	45.6	59.0	57.6
Dyna-Gro	S65RY73	**72.1**	**70.8**	**52.3**	**51.6**	**62.2**	**61.2**
Dyna-Gro	S67RY25	**72.4**	.	40.8	.	56.6	.
Meherrin	SH 6215 LL	**68.8**	.	47.4	.	58.1	.
Meherrin	SH 6515 LL	**75.5**	.	**52.4**	.	**64.0**	.
Meherrin	SH 6815 LL	**70.7**	.	46.5	.	58.6	.
NK	S67-R6 Brand	**73.1**	**73.2**	**56.7**	**53.1**	**64.9**	**63.1**
Pioneer	P67T25R2	**73.7**	.	46.2	.	59.9	.
Public Variety	Musen	**67.7**	**63.2**	44.5	44.1	56.1	53.6
SS	LL 6314S	**71.6**	.	48.5	.	60.1	.
SS	SS 6315 R2	**66.6**	.	38.9	.	52.7	.
SS	SS 6810N R2	**74.1**	**70.7**	46.8	46.2	**60.5**	58.5
TA Seeds	TS6569R2	**64.1**	.	41.1	.	52.6	.
USG	76J45R	**67.6**	.	40.7	.	54.1	.
USG	76S73R	**71.9**	.	40.8	.	56.3	.
Average		71.1	69.5	46.8	48.1	58.9	58.8
LSD at 10% Level		N.S.	N.S.	5.1	3.0	4.6	3.1
Std. Err. of Entry Mean		1.5	1.1	2.2	1.3	2.0	1.3

1. Yields calculated at 13% moisture.
2. Midville, Plains, and Tifton.
3. Athens, Calhoun, and Griffin.
4. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Regional Summary of MG VII and MG VIII Soybean Variety Performance, 2015

Company or Brand Name	Variety	Yield[1] South[2] 2015	South[2] 2-Year Average	North[3] 2015	North[3] 2-Year Average	Statewide 2015	Statewide 2-Year Average
		bu/acre					
Maturity Groups VII and VIII							
AGSouth	AGS 738 RR	**75.8**	72.1	**52.6**	54.6	**68.0**	65.7
AGSouth	AGS 757 RR	65.5	65.9	**56.5**	56.1	62.5	62.4
AGSouth	AGS 807	71.1	66.9	**51.0**	52.9	64.4	61.8
AGSouth	AGS 828 RR	68.0	66.9	**50.6**	51.8	62.2	61.4
AGSouth	AGS Woodruff	74.3	67.6	**63.3**	**63.9**	**70.6**	66.3
Asgrow	AG7535 GENRR2Y	**78.7**	**75.6**	**58.1**	**60.8**	**71.9**	**70.2**
Bayer	CZ 7007 LL	66.8	.	**53.0**	.	62.2	.
Bayer	CZ 7070 RY	**76.6**	72.6	**51.1**	54.7	**68.1**	66.1
Bayer	CZ 7132 LL	60.6	.	**48.8**	.	56.7	.
Bayer	HBK RY7523	70.6	65.3	**53.2**	54.2	64.8	61.3
Croplan Genetics	R2C7622	71.9	.	**55.0**	.	66.2	.
Dyna-Gro	S72RS36	73.8	.	**59.3**	.	**69.0**	.
Dyna-Gro	S74RY15	71.2	66.0	**54.0**	53.4	65.5	61.4
Dyna-Gro	S77RY85	73.2	70.9	**52.9**	52.4	66.5	64.2
Meherrin	SH 7116 LL	60.6	.	**44.4**	.	55.2	.
NK	S73-S8	73.6	**.**	**48.2**	.	65.2	.
NK	S74-M3	**78.0**	**74.5**	**53.7**	56.7	**69.9**	**68.0**
Pioneer	P76T54R2	73.4	.	**52.4**	.	66.4	.
Public Variety	Cheraw	68.8	.	**58.7**	.	65.4	.
Public Variety	Cook	66.0	62.2	**44.9**	47.2	58.9	56.8
Public Variety	Maxcy	67.8	.	**52.3**	.	62.6	.
Public Variety	Paul	69.1	.	**47.7**	.	62.0	.
Public Variety	Santee	69.8	66.4	**47.8**	51.9	62.4	61.1
SC	SC06-291RR	62.7	.	**46.7**	.	57.4	.
SC	SC06-301RR	64.4	62.4	**56.6**	55.6	61.8	59.9
SC	SC07-108RR	67.7	66.3	**52.9**	54.1	62.7	61.9
SC	SC07-1490RR	69.5	65.3	**54.9**	52.9	64.6	60.8
SC	SC07-1518RR	69.4	65.3	**55.6**	55.8	64.8	61.8
SC	SC09-092RR	62.5	.	**50.4**	.	58.5	.
SS	SS 7215NS R2	72.5	.	**58.2**	.	67.7	.
TA Seeds	TS8059R2	69.6	.	**49.5**	.	62.9	.
Terral-REV®	73A74™	64.9	62.3	**52.1**	54.0	60.7	59.3
UGA	G00-3213	72.4	.	**59.1**	.	**68.0**	.
UGA	G00-3880	72.2	.	**52.9**	.	65.8	.
UGA	G10PR-56444R2	74.7	71.6	**51.2**	52.1	66.9	64.5
UGA	G11PR-209R2	72.8	70.3	**50.2**	52.4	65.3	63.8
UGA	G11PR-407R2	68.7	65.5	**56.6**	55.4	64.7	61.8
UGA	G11PR-56151R2	73.8	69.5	**60.1**	58.0	**69.2**	65.3
UGA	G11PR-56238R2	75.0	71.4	**47.9**	50.9	66.0	64.0
UGA	G13LL-44	73.9	.	**59.7**	.	**69.2**	.

Regional Summary of MG VII and MG VIII Soybean Variety Performance, 2015 (Continued)

Company or Brand Name	Variety	Yield[1] South[2] 2015	South[2] 2-Year Average	North[3] 2015	North[3] 2-Year Average	Statewide 2015	Statewide 2-Year Average
		bu/acre					
Maturity Groups VII and VIII - continued							
UGA	G13LL-5	72.4	.	**57.5**	.	67.4	.
UGA	G13LL-56	73.0	.	**57.5**	.	67.9	.
UGA	G13LL-7	**75.0**	.	**57.9**	.	**69.3**	.
USG	77J25RS	**75.1**	.	**55.5**	.	**68.6**	.
USG	77S40R	**77.0**	**73.3**	**54.8**	58.0	**69.6**	**67.7**
USG	78S04R	66.8	63.1	**51.8**	50.5	61.8	58.5
Average		70.7	68.0	53.5	54.4	64.9	62.8
LSD at 10% Level		3.8	2.7	N.S.[4]	5.4	3.9	2.7
Std. Err. of Entry Mean		1.6	1.1	3.2	2.3	1.7	1.2

1. Yields calculated at 13% moisture.
2. Midville, Plains, and Tifton plus Plains late-planted.
3. Athens plus Griffin late-planted.
4. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Tifton, Georgia:
Soybean Variety Performance, 2015, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2015 Data						
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
		bu/acre		bu/acre	date	in	rating	gm	rating
Maturity Group V									
Dyna-Gro	S56RY84	**83.4**	4	**83.0**	09/23	35	2.7	15.7	2.0
SS	5513N R2	**79.6**	16	79.0	09/29	36	3.0	16.2	1.7
SS	5711N R2	**79.3**	1	**85.7**	09/24	36	2.7	17.9	1.5
NK	S52-Y2 Brand	**77.8**	8	**81.0**	09/20	43	3.7	15.1	2.0
Terral-REV®	55R53™	**77.7**	7	**81.7**	09/24	35	2.0	17.4	1.5
AGSouth	AGS 568RR	**77.2**	17	78.2	09/20	37	2.0	15.3	1.5
AGSouth	AGS 533 LL	75.9	6	**82.1**	09/20	47	3.7	15.8	2.7
Terral-REV®	56R63™	75.8	26	74.6	09/21	36	2.7	16.6	1.5
Dyna-Gro	39RY57	75.6	5	**82.8**	09/22	35	2.3	17.4	1.8
Pioneer	P54T94R	74.5	3	**83.4**	09/19	32	1.0	16.2	1.7
Public Variety	Osage	73.7	20	77.3	09/20	31	1.3	15.4	1.5
AR	UA 5213C	73.3	18[T]	77.7	09/19	35	2.3	13.2	1.5
Bayer	HBK LL4950	72.6	31	72.5	09/20	49	3.7	14.8	1.8
SS	SS 5511N R2	71.8	25	74.8	09/21	38	1.7	19.1	1.5
AR	UA 5612	69.6	32	72.4	09/24	33	3.0	14.8	1.5
Terral-REV®	57R21™	68.8	29	73.4	09/22	36	2.3	16.0	1.5
Bayer	HBK RY5221	59.3	37	62.6	09/18	45	4.0	17.7	3.2
AR	R09-430	.	2	**84.1**	09/18	33	2.3	16.7	1.8
Pioneer	P52T50R	.	9	80.4	09/18	35	1.0	15.6	2.0
University of MO	S11-16653	.	10	80.1	09/20	27	2.7	18.4	1.5
Croplan Genetics	5R2C56	.	11	79.9	09/23	36	1.0	16.9	1.5
University of MO	S11-17025	.	12	79.8	09/24	31	3.0	16.1	2.0
Croplan Genetics	R2C5673	.	13	79.7	09/24	37	2.7	15.9	1.7
Bayer	CZ 5515 LL	.	14	79.2	09/24	51	4.0	16.5	1.5
Bayer	CZ 5947 LL	.	15	79.1	10/08	33	2.3	15.3	1.7
SS	SS 5615N R2	.	18[T]	77.7	09/23	35	1.7	16.5	1.5
University of MO	S11-20195	.	19	77.6	09/18	29	3.3	15.3	1.5
USDA-ARS	JTN-5110	.	21[T]	76.7	09/24	29	2.0	19.8	2.3
USG	75J90R	.	21[T]	76.7	09/21	35	2.0	18.5	1.5
Pioneer	P56T12SR	.	21[T]	76.7	09/21	34	3.3	18.2	1.5
AR	UA 5414RR	.	22	76.1	09/20	35	2.3	14.7	1.7
AGSouth	AGS 5911LL	.	23	76.0	09/25	35	2.0	16.1	1.5
SS	LL 5914NS	.	24[T]	75.9	09/24	33	2.7	16.7	1.5
Bayer	CZ 5727 LL	.	24[T]	75.9	09/24	37	2.7	17.5	1.5
NK	S58-74	.	27	74.4	10/02	39	1.7	15.5	1.5
Bayer	CZ 4959 RY	.	28	73.6	09/14	41	3.3	17.8	2.3
University of MO	S11-20124	.	30	72.8	09/20	31	3.0	14.3	1.5
NK	S53-A1	.	33	72.0	09/17	33	2.7	17.2	2.3
AR	R10-197RY	.	34	71.4	09/20	37	2.0	15.1	1.5
AR	UA 5814HP	.	35	70.5	10/01	33	2.7	16.6	1.7
University of MO	S11-20337	.	36	68.8	09/17	34	2.7	14.1	2.5
Average		74.5		77.0[4]	09/22	36	2.5	16.3	1.8
LSD at 10% Level		7.2		5.1	1	2	0.7	0.7	0.3
Std. Err. of Entry Mean		3.0		2.2	1	1	0.3	0.3	0.1

Tifton, Georgia:
Soybean Variety Performance, 2015, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2015 Data						
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
		bu/acre		bu/acre	date	in	rating	gm	rating
Maturity Group VI									
NK	S67-R6 Brand	**77.0**	11	68.3	10/06	37	1.0	15.7	1.5
SS	SS 6810N R2	**71.8**	2	**75.6**	10/15	37	1.3	15.6	1.7
Dyna-Gro	S65RY73	**71.8**	18	62.6	10/07	35	1.0	12.1	1.7
Croplan Genetics	R2C6764	**69.0**	16	63.4	10/09	35	1.0	13.8	1.5
Public Variety	Musen	**63.9**	17	63.0	10/16	39	2.3	14.8	1.5
Meherrin	SH 6515 LL	.	1	**76.6**	10/02	39	1.0	15.6	1.7
Bayer	CZ 6515 LL	.	3	**75.4**	10/11	37	1.3	14.2	1.5
Meherrin	SH 6815 LL	.	4	**75.3**	10/14	37	2.3	15.8	1.5
AGSouth	AGS 674 LL	.	5	**73.3**	10/11	37	2.7	15.2	1.5
Bayer	CZ 6316 LL	.	6	**71.5**	10/12	35	1.7	14.3	1.5
Croplan Genetics	5R2T65	.	7	**71.1**	09/12	35	1.0	15.8	1.5
Bayer	CZ 6060 RY	.	8	**69.6**	09/24	34	1.3	15.7	1.7
SS	LL 6314S	.	9	69.1	10/15	46	1.3	15.5	1.5
Bayer	CZ 6109 LL	.	10	68.4	10/03	33	1.0	17.3	1.5
Dyna-Gro	S67RY25	.	12	66.1	10/09	33	1.0	14.0	1.5
Meherrin	SH 6215 LL	.	13	65.6	10/15	45	2.3	15.4	1.7
Croplan Genetics	R2C6192	.	14	65.3	10/13	34	1.3	14.2	1.8
Asgrow	AG6536 GENRR2Y	.	15[T]	64.5	10/09	39	1.0	14.5	1.5
USG	76S73R	.	15[T]	64.5	10/10	35	1.3	13.8	1.5
Pioneer	P67T25R2	.	15[T]	64.5	10/09	44	1.0	15.5	1.5
SS	SS 6315 R2	.	19	52.8	09/25	35	1.0	12.2	1.7
USG	76J45R	.	20	51.7	09/28	37	1.3	12.6	1.7
TA Seeds	TS6569R2	.	21	42.2	09/27	37	1.0	10.8	1.7
Average		70.7		66.1[5]	10/06	37	1.4	14.5	1.6
LSD at 10% Level		N.S.[6]		7.0	1	3	0.6	0.9	N.S.
Std. Err. of Entry Mean		2.5		2.9	1	1	0.3	0.4	0.1
Maturity Group VII and VIII									
UGA	G11PR-209R2	**79.4**	9	**78.6**	10/15	38	2.0	.	.
Bayer	CZ 7070 RY	**78.9**	6	**79.2**	10/15	36	2.3	.	.
AGSouth	AGS 738 RR	**78.3**	3	**79.9**	10/11	33	1.7	.	.
Dyna-Gro	S77RY85	**78.0**	2	**80.4**	10/19	37	1.3	.	.
USG	77S40R	**76.9**	4[T]	**79.6**	10/17	37	1.7	.	.
NK	S74-M3	**76.3**	4[T]	**79.6**	10/16	37	1.7	.	.
Asgrow	AG7535 GENRR2Y	**76.3**	5[T]	**79.5**	10/18	38	2.0	.	.
UGA	G11PR-56238R2	**75.6**	13[T]	74.8	10/15	38	2.0	.	.
AGSouth	AGS 828 RR	**74.3**	26	70.8	10/17	41	3.0	.	.
UGA	G10PR-56444R2	**73.4**	24	71.8	10/19	36	3.0	.	.
AGSouth	AGS Woodruff	71.5	10	**78.5**	10/17	36	2.0	.	.
SC	SC07-1490RR	71.5	13[T]	74.8	10/20	45	2.3	.	.
UGA	G11PR-56151R2	71.2	21[T]	72.4	10/18	40	2.3	.	.
SC	SC07-108RR	70.5	32[T]	66.0	10/22	39	2.3	.	.
Public Variety	Santee	70.4	21[T]	72.4	10/16	41	2.7	.	.

Tifton, Georgia:
Soybean Variety Performance, 2015, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2015 Data						
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
		bu/acre		bu/acre	date	in	rating	gm	rating
Maturity Group VII and VIII - continued									
SC	SC07-1518RR	69.5	15[T]	74.4	10/22	43	2.0	.	.
AGSouth	AGS 807	67.7	5[T]	**79.5**	10/17	41	3.0	.	.
UGA	G11PR-407R2	66.8	29	68.6	10/17	41	3.3	.	.
AGSouth	AGS 757 RR	66.6	36	60.4	10/15	38	2.0	.	.
Public Variety	Cook	66.4	20	72.8	10/18	38	3.3	.	.
Terral-REV®	73A74™	65.2	31[T]	66.1	10/14	37	3.3	.	.
Bayer	HBK RY7523	63.1	28	69.1	10/16	36	2.3	.	.
USG	78S04R	62.4	32[T]	66.0	10/21	44	1.0	.	.
Dyna-Gro	S74RY15	62.3	31[T]	66.1	10/15	35	1.7	.	.
SC	SC06-301RR	61.7	39	57.1	10/15	37	2.7	.	.
UGA	G13LL-7	.	1	**85.3**	10/15	35	2.3	.	.
NK	S73-S8	.	7	**79.1**	10/18	41	1.7	.	.
SS	SS 7215NS R2	.	8	**78.7**	10/17	38	2.7	.	.
UGA	G00-3880	.	11	76.9	10/17	38	2.7	.	.
Dyna-Gro	S72RS36	.	12	76.5	10/16	39	2.3	.	.
UGA	G13LL-5	.	14	74.6	10/14	37	2.3	.	.
UGA	G00-3213	.	15[T]	74.4	10/15	39	2.0	.	.
TA Seeds	TS6569R2	.	16	74.2	10/22	44	1.7	.	.
UGA	G13LL-56	.	17	74.1	10/10	39	2.0	.	.
USG	77J25RS	.	18	73.6	10/13	37	2.7	.	.
UGA	G13LL-44	.	19	73.4	10/11	38	2.0	.	.
Public Variety	Maxcy	.	22	72.3	10/21	41	2.3	.	.
Croplan Genetics	R2C7622	.	23	72.2	10/20	37	2.7	.	.
Public Variety	Cheraw	.	25	71.5	10/18	41	1.7	.	.
Pioneer	P76T54R2	.	27	69.8	10/18	38	1.7	.	.
Public Variety	Paul	.	30	67.7	10/20	37	2.3	.	.
Bayer	CZ 7007 LL	.	33	64.4	10/15	36	3.0	.	.
SC	SC06-291RR	.	34	61.3	10/24	39	3.3	.	.
Bayer	CZ 7132 LL	.	35	60.8	10/14	53	4.7	.	.
SC	SC09-092RR	.	37	60.3	10/23	39	2.7	.	.
Meherrin	SH 7116 LL	.	38	57.8	10/09	36	1.7	.	.
Average		71.0		72.1[7]	10/16	39	2.3	.	.
LSD at 10% Level		6.1		7.8	.	3	0.8	.	.
Std. Err. of Entry Mean		2.5		3.3	.	1	0.3	.	.

Tifton, Georgia:
Soybean Variety Performance, 2015, Irrigated (Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. CV = 4.9% and df for EMS = 80.
5. CV = 7.7% and df for EMS = 44.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
7. CV = 8.0% and df for EMS = 90.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted:	May 20, 2015.
Harvested:	Maturity Group V and VI - October 20, 2015. Maturity Group VII and VIII - November 6, 2015.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Tifton loamy sand.
Soil Test:	P = Very High, K = Medium, and pH = 5.9.
Fertilization:	11 lb N, 70 lb P_2O_5, and 120 lb K_2O/acre.
Previous Crop:	Corn.
Management:	Disked, subsoiled/bedded, and rototilled; Prowl, Dual Magnum, Select, Basagran, Classic, Ultra Blazer, and Reflex used for insect control; Blackhawk, Bifenthrin, and Belt used for insect control; Telone II used for nematode control; Domark used for fungal control; irrigated 10 inches.

Test conducted by D. Dunn, A. Coy, R. Brooke, B. McCranie, and G. South.

Plains, Georgia:
Soybean Variety Performance, 2015, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2015 Data						
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
		bu/acre		bu/acre	date	in	rating	gm	rating
Maturity Group V									
Dyna-Gro	39RY57	**68.8**	2	**78.5**	10/05	32	2.0	.	.
Dyna-Gro	S56RY84	**68.0**	3	**78.3**	10/07	33	1.3	.	.
SS	5513N R2	**67.6**	10	**75.5**	10/05	35	1.3	.	.
AR	UA 5213C	**66.5**	5	**78.0**	10/03	30	2.0	.	.
NK	S52-Y2 Brand	**65.0**	6	**77.5**	10/02	37	1.7	.	.
Terral-REV®	56R63™	**64.6**	8	**76.7**	10/07	41	3.3	.	.
SS	5711N R2	**64.4**	31	66.1	10/07	32	2.0	.	.
AR	UA 5612	**63.8**	26[T]	68.3	10/07	33	2.3	.	.
AGSouth	AGS 568RR	**63.4**	14	**74.6**	10/04	30	1.3	.	.
AGSouth	AGS 533 LL	**62.9**	17	72.0	09/30	42	3.3	.	.
Terral-REV®	55R53™	**62.1**	16	72.5	10/05	31	1.3	.	.
SS	SS 5511N R2	**62.0**	25	68.7	10/05	31	1.7	.	.
Bayer	HBK LL4950	**61.6**	34	63.8	10/03	41	2.3	.	.
Pioneer	P54T94R	**60.6**	22	69.8	10/03	26	1.0	.	.
Public Variety	Osage	**59.3**	32[T]	65.6	10/01	25	1.0	.	.
Terral-REV®	57R21™	**59.0**	18	71.4	10/05	43	3.0	.	.
Bayer	HBK RY5221	**49.5**	37	60.8	10/04	42	3.0	.	.
Croplan Genetics	R2C5673	.	1	**81.9**	10/06	33	1.7	.	.
NK	S58-Z4	.	4[T]	**78.1**	10/11	30	1.0	.	.
Pioneer	P56T12SR	.	4[T]	**78.1**	10/05	31	1.7	.	.
AR	UA 5814HP	.	7	**77.2**	10/10	34	2.0	.	.
AGSouth	AGS 5911LL	.	9	**76.2**	10/06	34	1.3	.	.
University of MO	S11-16653	.	11	**75.4**	10/02	29	2.0	.	.
SS	LL 5914NS	.	12	**74.9**	10/08	33	2.0	.	.
SS	SS 5615N R2	.	13	**74.7**	10/03	34	1.0	.	.
University of MO	S11-20124	.	15	74.2	10/04	33	2.7	.	.
NK	S53-A1	.	19	71.1	09/29	31	1.0	.	.
Bayer	CZ 5727 LL	.	20	70.4	10/09	33	1.0	.	.
USDA-ARS	JTN-5110	.	21	70.2	10/03	31	1.0	.	.
Croplan Genetics	5R2C56	.	23	69.2	10/04	29	1.0	.	.
Pioneer	P52T50R	.	24	69.0	09/27	29	1.0	.	.
USG	75J90R	.	26[T]	68.3	10/06	30	2.0	.	.
Bayer	CZ 5515 LL	.	27	68.0	10/07	47	3.7	.	.
Bayer	CZ 4959 RY	.	28	67.9	10/02	37	1.3	.	.
University of MO	S11-17025	.	29	67.6	10/05	26	2.0	.	.
University of MO	S11-20195	.	30	67.4	10/02	33	2.0	.	.
AR	R09-430	.	32[T]	65.6	10/02	24	1.0	.	.
AR	R10-197RY	.	33	64.1	10/03	30	1.3	.	.
Bayer	CZ 5947 LL	.	35	63.5	10/11	31	1.0	.	.
University of MO	S11-20337	.	36	61.4	09/28	29	1.3	.	.
AR	UA 5414RR	.	38	57.2	10/06	30	1.7	.	.
Average		62.9		71.0[4]	10/04	33	1.7	.	.
LSD at 10% Level		N.S.[5]		7.4	.	3	0.5	.	.
Std. Err. of Entry Mean		1.8		3.2	.	1	0.2	.	.

Plains, Georgia:
Soybean Variety Performance, 2015, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2015 Data						
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
		bu/acre		bu/acre	date	in	rating	gm	rating
Maturity Group VI									
Croplan Genetics	R2C6764	**76.1**	5	**84.3**	10/15	33	1.0	.	.
SS	SS 6810N R2	**75.8**	9	**80.8**	10/19	40	2.0	.	.
Dyna-Gro	S65RY73	**75.7**	8	**80.9**	10/15	33	1.7	.	.
NK	S67-R6 Brand	**74.1**	7	**81.2**	10/13	39	1.7	.	.
Public Variety	Musen	**70.5**	12	78.6	10/18	44	3.7	.	.
USG	76S73R	.	1	**85.6**	10/16	32	1.0	.	.
USG	76J45R	.	2	**85.1**	10/12	37	2.0	.	.
Pioneer	P67T25R2	.	3	**84.7**	10/18	38	2.0	.	.
Bayer	CZ 6060 RY	.	4	**84.4**	10/09	29	1.0	.	.
Asgrow	AG6536 GENRR2Y	.	6	**81.8**	10/16	38	1.7	.	.
Dyna-Gro	S67RY25	.	10	**80.5**	10/16	33	1.3	.	.
TA Seeds	TS6569R2	.	11	79.3	10/13	35	2.3	.	.
Meherrin	SH 6215 LL	.	13	78.4	10/21	41	2.0	.	.
Croplan Genetics	5R2T65	.	14	76.6	10/05	35	1.7	.	.
SS	SS 6315 R2	.	15	76.4	10/12	38	2.3	.	.
Meherrin	SH 6515 LL	.	16	76.3	10/12	31	1.3	.	.
Bayer	CZ 6316 LL	.	17	76.2	10/16	33	1.0	.	.
Bayer	CZ 6109 LL	.	18	75.6	10/11	33	1.3	.	.
SS	LL 6314S	.	19	75.2	10/21	41	2.3	.	.
Meherrin	SH 6815 LL	.	20	74.6	10/18	35	3.0	.	.
Bayer	CZ 6515 LL	.	21	71.4	10/21	35	1.0	.	.
AGSouth	AGS 674 LL	.	22	71.0	10/16	33	4.0	.	.
Croplan Genetics	R2C6192	.	23	68.6	10/16	31	1.0	.	.
Average		74.4		78.6 [6]	10/15	35	1.8	.	.
LSD at 10% Level		N.S.		5.7	1	3	0.5	.	.
Std. Err. of Entry Mean		1.5		2.4	1	1	0.2	.	.
Maturity Groups VII and VIII									
Bayer	CZ 7070 RY	**82.4**	4	**86.3**	10/19	37	1.7	.	.
NK	S74-M3	**80.5**	2	**88.0**	10/18	36	1.3	.	.
AGSouth	AGS 738 RR	**80.5**	11	**84.2**	10/15	35	2.3	.	.
Asgrow	AG7535 GENRR2Y	**80.3**	3	**87.6**	10/19	39	2.0	.	.
UGA	G10PR-56444R2	**80.3**	6	**85.6**	10/19	39	2.7	.	.
UGA	G11PR-209R2	**80.3**	23	80.4	10/18	41	3.0	.	.
UGA	G11PR-56238R2	**79.9**	13	**83.4**	10/19	40	2.3	.	.
USG	77S40R	**79.3**	10	**84.3**	10/20	36	1.3	.	.
AGSouth	AGS 828 RR	**78.8**	24	79.9	10/20	39	2.7	.	.
Dyna-Gro	S77RY85	**78.0**	22[T]	80.5	10/24	37	1.0	.	.

Plains, Georgia:
Soybean Variety Performance, 2015, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2015 Data						
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
		bu/acre		bu/acre	date	in	rating	gm	rating
Maturity Groups VII and VIII - continued									
SC	SC07-108RR	**77.3**	25	79.6	10/26	41	1.7	.	.
AGSouth	AGS 757 RR	75.9	27	79.0	10/19	38	2.0	.	.
UGA	G11PR-56151R2	74.4	29	78.7	10/21	42	2.0	.	.
Public Variety	Santee	73.7	26	79.1	10/17	41	3.3	.	.
AGSouth	AGS Woodruff	72.5	21	80.6	10/25	38	2.3	.	.
SC	SC07-1490RR	72.3	34	76.4	10/22	48	1.3	.	.
Dyna-Gro	S74RY15	71.6	9	**84.8**	10/18	34	1.3	.	.
SC	SC06-301RR	71.0	36	75.8	10/20	41	2.0	.	.
SC	SC07-1518RR	70.7	33	76.7	10/25	44	1.3	.	.
UGA	G11PR-407R2	70.3	37[T]	75.5	10/22	41	2.3	.	.
Terral-REV®	73A74™	69.6	38	75.0	10/16	39	3.7	.	.
AGSouth	AGS 807	68.4	19	80.9	10/20	41	3.0	.	.
Bayer	HBK RY7523	67.9	28	78.8	10/18	35	1.3	.	.
Public Variety	Cook	66.4	41	72.9	10/20	42	3.3	.	.
USG	78S04R	66.3	39	73.8	10/27	48	1.7	.	.
Pioneer	P76T54R2	.	1	**89.4**	10/21	43	1.0	.	.
UGA	G13LL-7	.	5	**85.8**	10/19	37	3.0	.	.
UGA	G13LL-44	.	7	**85.0**	10/20	38	1.3	.	.
Public Variety	Paul	.	8[T]	**84.9**	10/25	37	1.3	.	.
Croplan Genetics	R2C7622	.	8[T]	**84.9**	10/21	41	1.7	.	.
NK	S73-S8	.	12	**83.8**	10/18	43	1.3	.	.
Dyna-Gro	S72RS36	.	14	**82.8**	10/20	35	1.3	.	.
SS	SS 7215NS R2	.	15	82.0	10/17	41	2.3	.	.
USG	77J25RS	.	16	81.9	10/19	37	2.0	.	.
UGA	G00-3880	.	17	81.5	10/22	40	2.0	.	.
UGA	G13LL-56	.	18	81.3	10/18	37	2.0	.	.
UGA	G13LL-5	.	20	80.7	10/18	35	2.7	.	.
UGA	G00-3213	.	22[T]	80.5	10/20	39	2.0	.	.
Public Variety	Cheraw	.	30	78.3	10/23	39	1.0	.	.
Public Variety	Maxcy	.	31	78.0	10/21	41	2.3	.	.
Bayer	CZ 7007 LL	.	32	77.1	10/18	36	2.7	.	.
TA Seeds	TS6569R2	.	35	76.0	10/27	49	1.7	.	.
Meherrin	SH 7116 LL	.	37[T]	75.5	10/14	35	1.3	.	.
Bayer	CZ 7132 LL	.	40	73.5	10/11	52	3.3	.	.
SC	SC06-291RR	.	42	71.4	10/26	46	3.7	.	.
SC	SC09-092RR	.	43	70.8	10/27	46	2.0	.	.
Average		74.8		80.3 [7]	10/20	40	2.1	.	.
LSD at 10% Level		6.1		6.8	.	3	1.0	.	.
Std. Err. of Entry Mean		2.3		2.9	.	1	0.4	.	.

Plains, Georgia:
Soybean Variety Performance, 2015, Irrigated (Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. CV = 7.7% and df for EMS = 80.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
6. CV = 5.3% and df for EMS = 44.
7. CV = 6.3% and df for EMS = 90.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted:	June 3, 2015.
Harvested:	Maturity Groups V and VI - October 29, 2015. Maturity Groups VII & VIII - October 30, 2015.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Tifton sandy loam.
Soil Test:	P = High, K = Very High, and pH = 6.3.
Fertilization:	0 lb N, 50 lb P_2O_5, and 60 lb K_2O/acre.
Previous Crop:	Cotton.
Management:	Disked twice, subsoiled, and rototilled; Prowl, Reflex, and Blazer used for weed control; Indigo and Belt used for insect control; Domark used for fungal control; irrigated 5 inches.

Test conducted by D. Dunn, D. Pearce, W. Jones, R. Brooke, B. McCranie, and G. South.

Plains, Georgia:
Late-Planted Soybean Variety Performance, 2015, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2015 Data						
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
		bu/acre		bu/acre	date	in	rating	gm	rating
Maturity Groups VII and VIII									
UGA	G10PR-56444R2	**73.3**	2	**78.0**	10/22	39	3.0	.	.
Asgrow	AG7535 GENRR2Y	**72.8**	1	**79.7**	10/22	36	1.0	.	.
UGA	G11PR-56238R2	**70.6**	3	**77.7**	10/25	39	1.3	.	.
SC	SC07-108RR	**69.8**	7	**75.3**	10/31	44	2.0	.	.
Dyna-Gro	S77RY85	**69.3**	27[T]	68.4	10/26	41	1.0	.	.
Bayer	CZ 7070 RY	**68.1**	5	**76.2**	10/25	39	1.7	.	.
USG	78S04R	**67.8**	20[T]	70.3	10/30	43	1.3	.	.
AGSouth	AGS 807	**67.5**	21[T]	70.0	10/23	37	1.3	.	.
NK	S74-M3	**67.2**	8	**74.1**	10/24	39	1.7	.	.
UGA	G11PR-209R2	**67.2**	28	68.0	10/23	38	1.7	.	.
AGSouth	AGS 738 RR	67.1	9	**74.0**	10/18	35	1.0	.	.
USG	77S40R	67.0	11[T]	**73.5**	10/23	37	1.3	.	.
UGA	G11PR-56151R2	66.9	4	**76.4**	10/25	43	2.0	.	.
Dyna-Gro	S74RY15	66.8	14	**73.0**	10/22	35	1.0	.	.
UGA	G11PR-407R2	66.0	22	69.9	10/26	43	3.7	.	.
Public Variety	Santee	65.5	25[T]	68.6	10/21	45	2.7	.	.
SC	SC06-301RR	64.5	16	71.9	10/31	42	2.0	.	.
AGSouth	AGS 828 RR	64.4	21[T]	70.0	10/25	39	2.3	.	.
Bayer	HBK RY7523	64.2	15	72.6	10/24	37	1.0	.	.
AGSouth	AGS Woodruff	63.0	11[T]	**73.5**	10/25	41	2.0	.	.
AGSouth	AGS 757 RR	62.6	32	66.5	10/24	40	2.7	.	.
SC	SC07-1490RR	61.4	31	66.6	10/28	47	1.3	.	.
SC	SC07-1518RR	58.0	37	61.6	11/01	41	1.7	.	.
Terral-REV®	73A74™	54.3	41	53.9	10/20	38	4.0	.	.
Public Variety	Cook	52.4	40	60.1	10/24	43	2.3	.	.
USG	77J25RS	.	6	**76.1**	10/23	38	1.3	.	.
NK	S73-S8	.	10	**73.8**	10/24	41	1.0	.	.
Croplan Genetics	R2C7622	.	12	**73.3**	10/26	41	2.0	.	.
Public Variety	Paul	.	13	**73.1**	10/25	39	1.7	.	.
UGA	G00-3213	.	17	71.7	10/24	41	1.7	.	.
Dyna-Gro	S72RS36	.	18	71.6	10/25	39	1.3	.	.
UGA	G13LL-5	.	19	71.5	10/20	39	1.7	.	.
UGA	G13LL-44	.	20[T]	70.3	10/23	39	1.0	.	.
SS	SS 7215NS R2	.	23	69.5	10/24	41	1.7	.	.
UGA	G00-3880	.	24	68.7	10/24	43	1.3	.	.
UGA	G13LL-56	.	25[T]	68.6	10/23	41	2.3	.	.
Croplan Genetics	5R2C72S	.	26	68.5	10/19	35	2.0	.	.
TA Seeds	TS6569R2	.	27[T]	68.4	10/29	45	1.7	.	.
SC	SC06-291RR	.	29	67.6	11/01	44	3.0	.	.
Bayer	CZ 7007 LL	.	30	67.2	10/21	37	2.0	.	.

Plains, Georgia:
Late-Planted Soybean Variety Performance, 2015, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year Average Yield	2015 Data						
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
		bu/acre		bu/acre	date	in	rating	gm	rating
Maturity Groups VII and VIII - continued									
Public Variety	Maxcy	.	33	66.4	10/25	42	2.3	.	.
UGA	G13LL-7	.	34	66.3	10/22	37	2.0	.	.
Pioneer	P76T54R2	.	35	65.4	10/24	42	1.3	.	.
Public Variety	Cheraw	.	36	64.4	10/25	39	1.3	.	.
Bayer	CZ 7132 LL	.	38[T]	60.5	10/17	49	3.0	.	.
Meherrin	SH 7116 LL	.	38[T]	60.5	10/20	35	2.7	.	.
SC	SC09-092RR	.	39	60.4	10/30	44	2.3	.	.
Average		65.5		69.7 [4]	10/24	40	1.9	.	.
LSD at 10% Level		6.1		6.7	.	2	0.9	.	.
Std. Err. of Entry Mean		2.8		2.8	.	1	0.4	.	.

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. CV = 7.1% and df for EMS = 92.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted: June 22, 2015.
Harvested: November 17, 2015.
Seeding Rate: Eight seeds per foot in 30" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = High, K = Very High, and pH = 6.3.
Fertilization: 0 lb N, 50 lb P_2O_5, and 60 lb K_2O/acre.
Previous Crop: Cotton.
Management: Disked twice, subsoiled, and rototilled; Prowl, Reflex, and Blazer used for weed control; Indigo and Belt used for insect control; Domark used for fungal control; irrigated 5 inches.

Test conducted by D. Dunn, D. Pearce, W. Jones, R. Brooke, B. McCranie, and G. South.

Midville, Georgia:
Soybean Variety Performance, 2015, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2015 Data						
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
		bu/acre		bu/acre	date	in	rating	gm	rating
Maturity Group V									
Pioneer	P54T94R	**74.9**	2	**80.6**	10/03	33	1.0	.	.
NK	S52-Y2 Brand	**73.4**	4	76.9	09/28	43	1.7	.	.
Dyna-Gro	39RY57	**72.4**	5	76.3	10/04	39	1.3	.	.
SS	5711N R2	**72.0**	7[T]	76.0	10/04	40	1.7	.	.
SS	5513N R2	**69.3**	14	73.5	10/05	42	2.0	.	.
Terral-REV®	55R53™	**69.2**	6	76.2	10/05	36	1.0	.	.
SS	SS 5511N R2	69.1	12	74.5	10/04	41	2.0	.	.
AGSouth	AGS 568RR	68.6	8	75.8	10/03	39	1.7	.	.
Public Variety	Osage	67.9	23	69.8	10/02	31	1.3	.	.
Dyna-Gro	S56RY84	67.8	20[T]	70.8	10/05	42	2.0	.	.
AGSouth	AGS 533 LL	67.5	27[T]	68.2	09/28	48	3.0	.	.
Bayer	HBK LL4950	65.2	32	65.2	09/26	46	2.3	.	.
Terral-REV®	57R21™	64.2	25[T]	69.2	10/04	49	2.7	.	.
AR	UA 5612	63.5	28	68.1	10/06	41	2.3	.	.
AR	UA 5213C	63.4	16	72.4	10/04	34	1.7	.	.
Terral-REV®	56R63™	61.7	29[T]	67.7	10/07	47	3.0	.	.
Bayer	HBK RY5221	61.2	31	66.8	09/28	48	3.7	.	.
NK	S58-Z4	.	1	**82.2**	10/12	41	1.7	.	.
AR	R09-430	.	3	**80.2**	10/03	33	1.0	.	.
Pioneer	P56T12SR	.	7[T]	76.0	10/03	39	1.7	.	.
USG	75J90R	.	9	75.3	10/01	41	1.7	.	.
SS	SS 5615N R2	.	10	74.8	10/02	39	1.0	.	.
Pioneer	P52T50R	.	11[T]	74.6	10/02	34	1.0	.	.
Croplan Genetics	5R2C56	.	11[T]	74.6	10/03	37	1.0	.	.
Croplan Genetics	R2C5673	.	13	74.4	10/03	41	1.3	.	.
Bayer	CZ 5947 LL	.	15	72.9	10/18	42	2.0	.	.
University of MO	S11-20124	.	17	72.3	10/03	42	3.0	.	.
AR	UA 5814HP	.	18	71.8	10/08	40	1.7	.	.
University of MO	S11-17025	.	19[T]	71.3	10/01	35	2.0	.	.
Bayer	CZ 5727 LL	.	19[T]	71.3	10/08	40	1.7	.	.
AR	R10-197RY	.	20[T]	70.8	10/07	41	1.3	.	.
USDA-ARS	JTN-5110	.	21	70.5	10/03	36	1.0	.	.
University of MO	S11-20195	.	22	70.4	09/28	40	3.0	.	.
AGSouth	AGS 5911LL	.	24	69.5	10/05	39	1.0	.	.
Bayer	CZ 4959 RY	.	25[T]	69.2	09/26	40	1.3	.	.
University of MO	S11-16653	.	26	68.4	09/27	38	2.3	.	.
University of MO	S11-20337	.	27[T]	68.2	09/28	39	2.3	.	.
AR	UA 5414RR	.	29[T]	67.7	10/05	39	3.0	.	.
SS	LL 5914NS	.	29[T]	67.7	10/05	41	2.0	.	.
Bayer	CZ 5515 LL	.	30	67.4	10/07	52	3.7	.	.
NK	S53-A1	.	33	64.9	09/29	36	1.7	.	.
Average		67.7		72.1[4]	10/03	40	1.9	.	.
LSD at 10% Level		5.7		5.0	.	3	0.7	.	.
Std. Err. of Entry Mean		1.8		2.1	.	1	0.3	.	.

Midville, Georgia:
Soybean Variety Performance, 2015, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2015 Data						
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
		bu/acre		bu/acre	date	in	rating	gm	rating
Maturity Group VI									
NK	S67-R6 Brand	**68.5**	11	69.8	10/10	44	1.3	.	.
Dyna-Gro	S65RY73	**64.9**	4	**72.7**	10/16	37	1.3	.	.
SS	SS 6810N R2	**64.6**	15	65.8	10/20	44	1.7	.	.
Croplan Genetics	R2C6764	**64.0**	10	70.0	10/18	38	1.0	.	.
Public Variety	Musen	**55.3**	23	61.5	10/19	47	2.7	.	.
Bayer	CZ 6109 LL	.	1	**77.4**	10/13	41	1.0	.	.
Bayer	CZ 6060 RY	.	2	**73.9**	10/07	36	1.0	.	.
Meherrin	SH 6515 LL	.	3	**73.7**	10/14	38	1.0	.	.
Croplan Genetics	5R2T65	.	5	**72.1**	10/03	39	1.7	.	.
Pioneer	P67T25R2	.	6	**71.8**	10/19	45	1.0	.	.
TA Seeds	TS6569R2	.	7	70.9	10/11	40	1.3	.	.
SS	LL 6314S	.	8[T]	70.5	10/21	47	1.0	.	.
Dyna-Gro	S67RY25	.	8[T]	70.5	10/18	37	1.0	.	.
SS	SS 6315 R2	.	9	70.4	10/11	40	1.3	.	.
Bayer	CZ 6316 LL	.	12	69.6	10/16	40	1.0	.	.
Asgrow	AG6536 GENRR2Y	.	13	67.5	10/20	42	1.0	.	.
USG	76J45R	.	14	65.9	10/11	39	1.3	.	.
USG	76S73R	.	16	65.5	10/15	37	1.0	.	.
Croplan Genetics	R2C6192	.	17	64.5	10/19	35	1.0	.	.
AGSouth	AGS 674 LL	.	18	63.9	10/19	50	2.7	.	.
Bayer	CZ 6515 LL	.	19	63.7	10/22	39	1.7	.	.
Meherrin	SH 6215 LL	.	20[T]	62.4	10/22	47	1.7	.	.
Meherrin	SH 6815 LL	.	20[T]	62.4	10/19	49	3.0	.	.
Average		63.5		68.5[5]	10/15	41	1.4	.	.
LSD at 10% Level		N.S.[6]		5.6	1	4	0.5	.	.
Std. Err. of Entry Mean		1.5		2.3	1	2	0.2	.	.
Maturity Groups VII and VIII									
Asgrow	AG7535 GENRR2Y	**72.1**	5	**68.0**	10/20	41	1.7	.	.
NK	S74-M3	**68.6**	2	**70.3**	10/20	42	2.3	.	.
USG	77S40R	**68.2**	1	**70.7**	10/21	41	1.0	.	.
UGA	G11PR-56151R2	64.9	6	**67.5**	10/23	45	1.7	.	.
SC	SC07-1518RR	64.0	9[T]	**64.8**	10/25	51	1.3	.	.
UGA	G11PR-56238R2	63.7	12[T]	64.3	10/20	41	1.7	.	.
AGSouth	AGS 738 RR	63.4	8	**65.0**	10/15	38	2.0	.	.
Bayer	CZ 7070 RY	63.0	9[T]	**64.8**	10/22	45	1.3	.	.
UGA	G10PR-56444R2	62.9	14	63.4	10/19	44	3.3	.	.
Dyna-Gro	S77RY85	61.7	13	63.7	10/21	41	1.0	.	.
Bayer	HBK RY7523	61.5	18	62.1	10/21	39	1.0	.	.
AGSouth	AGS Woodruff	61.0	11	**64.6**	10/22	45	2.7	.	.
Terral-REV®	73A74™	60.3	10	**64.7**	10/19	47	4.3	.	.
UGA	G11PR-209R2	60.1	12[T]	64.3	10/21	43	2.0	.	.
SC	SC07-1490RR	59.9	22	60.2	10/26	49	1.3	.	.

Midville, Georgia:
Soybean Variety Performance, 2015, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2015 Data						
			Rank	Yield[1]	Maturity	Plant Ht	Lodging[2]	Wt of 100 Seed	Seed Quality[3]
				bu/acre	date	in	rating	gm	rating
Maturity Groups VII and VIII - continued									
Dyna-Gro	S74RY15	59.1	20	60.9	10/20	39	1.0	.	.
UGA	G11PR-407R2	58.2	21[T]	60.8	10/28	46	2.0	.	.
Public Variety	Santee	58.2	25	59.0	10/21	49	2.7	.	.
Public Variety	Cook	58.1	27	58.1	10/21	44	3.3	.	.
AGSouth	AGS 757 RR	57.8	31	56.0	10/20	44	4.0	.	.
AGSouth	AGS 807	57.6	33	53.9	10/21	43	3.7	.	.
USG	78S04R	56.9	30	56.9	10/25	48	1.7	.	.
AGSouth	AGS 828 RR	55.2	35	51.4	10/23	39	3.3	.	.
SC	SC07-108RR	54.9	38	49.8	10/25	41	2.3	.	.
SC	SC06-301RR	51.5	34	52.7	10/24	39	2.7	.	.
Pioneer	P76T54R2	.	3[T]	**69.0**	10/23	45	1.7	.	.
USG	77J25RS	.	3[T]	**69.0**	10/19	40	1.3	.	.
UGA	G13LL-56	.	4	**68.2**	10/20	43	1.7	.	.
UGA	G13LL-44	.	7	**67.0**	10/20	44	1.7	.	.
Dyna-Gro	S72RS36	.	12[T]	64.3	10/20	41	2.0	.	.
UGA	G00-3213	.	15	63.1	10/23	42	3.0	.	.
UGA	G13LL-5	.	16	62.6	10/19	43	2.3	.	.
UGA	G13LL-7	.	17	62.5	10/17	43	2.0	.	.
UGA	G00-3880	.	19	61.5	10/20	45	1.7	.	.
Public Variety	Cheraw	.	21[T]	60.8	10/21	47	1.0	.	.
SS	SS 7215NS R2	.	23	59.8	10/18	42	1.7	.	.
TA Seeds	TS6569R2	.	24	59.6	10/27	49	2.3	.	.
SC	SC09-092RR	.	26[T]	58.6	10/27	46	1.7	.	.
Bayer	CZ 7007 LL	.	26[T]	58.6	10/22	43	1.7	.	.
NK	S73-S8	.	28	57.9	10/22	45	1.3	.	.
Croplan Genetics	R2C7622	.	29	57.1	10/22	43	2.0	.	.
Public Variety	Maxcy	.	32	54.7	10/25	43	2.3	.	.
Public Variety	Paul	.	36	50.7	10/24	41	3.0	.	.
SC	SC06-291RR	.	37	50.5	10/27	44	3.0	.	.
Meherrin	SH 7116 LL	.	39	48.5	10/13	38	2.0	.	.
Bayer	CZ 7132 LL	.	40	47.6	10/19	61	4.0	.	.
Average		60.9		60.6[7]	10/21	44	2.1	.	.
LSD at 10% Level		6.1		6.1	.	3	0.8	.	.
Std. Err. of Entry Mean		1.8		2.6	.	1	0.3	.	.

Midville, Georgia:
Soybean Variety Performance, 2015, Irrigated (Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. CV = 5.1% and df for EMS = 80.
5. CV = 5.9% and df for EMS = 44.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
7. CV = 7.4% and df for EMS = 90.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted:	June 1, 2015.
Harvested:	Maturity Group V and VI - October 21, 2015. Maturity Group VII & VIII - November 16, 2015.
Seeding Rate:	Nine seeds per foot in 36" rows.
Soil Type:	Dothan loamy sand.
Soil Test:	P = High, K = Medium, and pH = 6.3.
Fertilization:	30 lb N, 30 lb P_2O_5, and 90 lb K_2O/acre.
Previous Crop:	Cotton.
Management:	Disked, field conditioned, and subsoiled/bedded; Pendimethalin, Reflex, and Dual used for weed control; Toombstone, Bifenthrin, Dimilin, Tracer, Radiant, and Doubletake used for insect control; Priaxor used for fungal control; Telone II used for nematode control; irrigated 12 inches.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

Griffin, Georgia:
Soybean Variety Performance, 2015, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2015 Data							
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]	Shatt.[4]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group V										
AGSouth	AGS 533 LL	**75.0**	1	**88.8**	10/07	46	1.8	15.2	2.3	1.0
Public Variety	Osage	**74.7**	2	**86.6**	10/06	31	1.3	13.6	2.0	1.0
SS	SS 5511N R2	**71.4**	5	**79.8**	10/10	32	1.7	19.3	1.5	1.0
Bayer	HBK RY5221	**70.1**	4	**80.4**	10/05	45	3.0	18.5	2.7	1.0
AR	UA 5213C	**69.1**	12[T]	72.7	10/08	35	1.7	13.8	1.8	1.0
SS	5711N R2	**68.9**	14	72.3	10/08	34	1.3	16.9	1.5	1.0
Bayer	HBK LL4950	**66.6**	19	70.0	10/03	44	1.7	15.0	2.0	1.0
Terral-REV®	55R53™	**66.3**	10	74.9	10/05	33	1.7	15.7	1.5	1.0
Dyna-Gro	S56RY84	**66.0**	13	72.4	10/03	38	2.3	14.8	1.5	1.0
Terral-REV®	57R21™	**65.3**	31[T]	62.9	10/01	41	2.3	14.6	1.5	1.0
Dyna-Gro	39RY57	**64.7**	18	70.6	10/06	32	1.3	15.5	1.5	1.0
NK	S52-Y2 Brand	**64.3**	22	68.4	10/07	41	2.0	14.3	2.8	1.0
AR	UA 5612	**63.6**	21	68.5	10/03	34	2.3	13.4	1.8	1.0
Pioneer	P54T94R	**63.5**	15	71.9	10/08	29	1.2	15.1	1.8	1.0
SS	5513N R2	**61.3**	31[T]	62.9	10/06	37	2.3	14.6	2.0	1.0
Terral-REV®	56R63™	**61.2**	20[T]	69.2	10/07	38	3.0	16.0	1.5	1.0
AGSouth	AGS 568RR	**61.1**	29	64.4	10/04	37	1.3	15.5	1.5	1.0
University of MO	S11-20124	.	3	**82.7**	10/04	33	3.0	15.4	1.5	1.0
USG	75J90R	.	6	**79.6**	10/11	38	1.8	18.8	1.5	1.0
NK	S53-A1	.	7	78.6	10/08	34	1.2	18.0	1.7	1.0
Pioneer	P52T50R	.	8	77.2	10/08	31	1.0	13.7	2.2	1.0
Croplan Genetics	R2C5673	.	9	75.4	10/06	37	2.0	14.9	1.7	1.0
AGSouth	AGS 5911LL	.	11	73.3	10/08	38	2.0	14.7	1.5	1.0
SS	SS 5615N R2	.	12[T]	72.7	10/01	37	2.3	16.0	1.5	1.0
University of MO	S11-16653	.	16	71.4	10/08	32	1.0	16.7	2.3	1.0
NK	S58-Z4	.	17	71.0	10/12	36	1.3	14.2	1.5	1.0
AR	R09-430	.	20[T]	69.2	10/08	28	1.0	15.9	2.2	1.0
Pioneer	P56T12SR	.	23	68.1	10/09	35	2.3	15.6	2.5	1.0
Bayer	CZ 5727 LL	.	24	66.9	10/04	34	1.7	16.6	1.5	1.0
SS	LL 5914NS	.	25	66.7	10/06	38	2.0	15.5	1.7	1.0
AR	R10-197RY	.	26	65.8	10/11	37	2.3	15.1	1.7	1.0
University of MO	S11-20337	.	27	64.9	10/07	28	1.3	14.1	3.0	1.0
University of MO	S11-20195	.	28	64.7	10/08	35	3.7	14.1	2.5	1.0
Bayer	CZ 5515 LL	.	30	64.2	10/04	50	3.2	15.7	1.5	1.0
AR	UA 5414RR	.	32	62.7	10/06	31	1.5	13.4	1.7	1.0
Croplan Genetics	5R2C56	.	33	62.3	10/03	33	2.0	14.7	1.5	1.0
USDA-ARS	JTN-5110	.	34	61.0	10/10	34	1.7	16.9	2.2	1.0
Bayer	CZ 4959 RY	.	35	60.4	10/06	37	1.3	17.2	2.5	1.0
AR	UA 5814HP	.	36	59.1	10/08	35	3.7	15.4	1.5	1.0
Bayer	CZ 5947 LL	.	37	54.3	10/11	34	2.7	11.9	1.7	1.0
University of MO	S11-17025	.	38	53.1	10/07	28	3.7	12.6	3.0	1.0
Average		66.6		69.8[5]	10/06	36	2.0	15.3	1.9	1.0
LSD at 10% Level		N.S.[6]		10.1	5	4	0.8	1.2	0.4	.
Std. Err. of Entry Mean		4.1		4.3	2	2	0.3	0.5	0.2	.

Griffin, Georgia:
Soybean Variety Performance, 2015, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2015 Data							
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]	Shatt.[4]
				bu/acre	date	in	rating	gm	rating	rating
Maturity Group VI										
Croplan Genetics	R2C6764	**63.8**	8	65.3	10/14	36	1.3	13.5	1.5	1.0
Dyna-Gro	S65RY73	**62.8**	5	66.4	10/15	37	1.0	13.5	1.5	1.0
SS	SS 6810N R2	**59.6**	13	61.0	10/15	40	1.7	14.5	1.5	1.0
NK	S67-R6 Brand	**59.5**	10	64.2	10/14	41	3.0	16.3	1.5	1.0
Public Variety	Musen	52.5	23	52.7	10/16	39	2.3	13.9	1.5	1.0
Bayer	CZ 6060 RY	.	1	**74.1**	10/12	35	1.7	17.9	1.5	1.0
Croplan Genetics	5R2T65	.	2	**68.8**	10/09	35	1.3	17.1	3.2	1.0
Meherrin	SH 6515 LL	.	3	**68.6**	10/13	37	1.0	16.6	1.5	1.0
Croplan Genetics	R2C6192	.	4	67.2	10/16	33	1.0	13.6	1.8	1.0
Bayer	CZ 6109 LL	.	6	66.3	10/13	37	1.3	17.4	1.5	1.0
Bayer	CZ 6316 LL	.	7	65.4	10/14	34	1.0	15.0	1.5	1.0
TA Seeds	TS6569R2	.	9	65.2	10/13	39	2.7	14.9	1.7	1.0
Asgrow	AG6536 GENRR2Y	.	11	63.2	10/13	42	1.3	14.9	1.5	1.0
SS	SS 6315 R2	.	12	61.5	10/13	39	2.3	14.7	1.5	1.0
Meherrin	SH 6815 LL	.	14	60.5	10/15	36	2.0	13.9	1.5	1.0
AGSouth	AGS 674 LL	.	15	59.5	10/15	40	2.3	13.4	1.5	1.0
Pioneer	P67T25R2	.	16	58.9	10/15	42	2.0	14.9	1.5	1.0
USG	76J45R	.	17	58.6	10/13	37	2.0	14.6	1.5	1.0
Dyna-Gro	S67RY25	.	18	57.8	10/14	37	1.7	13.3	1.5	1.0
USG	76S73R	.	19	56.3	10/14	36	1.3	13.6	1.5	1.0
Bayer	CZ 6515 LL	.	20	54.9	10/17	41	1.3	11.9	1.5	1.0
SS	LL 6314S	.	21	53.4	10/16	46	1.7	13.8	1.5	1.0
Meherrin	SH 6215 LL	.	22	53.2	10/17	44	1.3	13.8	1.5	1.0
Average		59.6		61.9[7]	10/14	38	1.7	14.7	1.6	1.0
LSD at 10% Level		5.4		6.6	1	4	0.7	0.9	0.2	.
Std. Err. of Entry Mean		1.4		2.8	1	2	0.3	0.4	0.1	.

Griffin, Georgia:
Soybean Variety Performance, 2015, Irrigated (Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 10.7% and df for EMS = 80.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
7. CV = 7.8% and df for EMS = 44.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted:	May 31, 2015.
Harvested:	Maturity Group V - October 21, 2015. Maturity Group VI - October 30, 2015.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Pacolet coarse sandy loam.
Soil Test:	P = High, K = Very High, and pH = 6.8.
Fertilization:	30 lb N, 60 lb P_2O_5, and 90 lb K_2O/acre.
Previous Crop:	Fallow.
Management:	Chisel plowed, disked, and rototilled; Treflan, Classic, Blazer, and one cultivation used for weed control; Karate used for insect control; irrigated 2.5 inches.

Test conducted by H. Jordan and G. Ware.

Griffin, Georgia:
Late-Planted Soybean Variety Performance, 2015, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2015 Data							
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]	Shatt.[4]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group VII and VIII										
USG	77S40R	**68.6**	5	**64.8**	10/31	37	2.0	17.3	3.2	1.0
Asgrow	AG7535 GENRR2Y	**68.4**	9	**62.4**	10/31	35	2.0	15.8	2.5	1.3
AGSouth	AGS Woodruff	**65.7**	7	**63.5**	11/04	37	2.3	16.4	3.2	1.0
SC	SC07-1518RR	62.8	11[T]	**62.0**	11/10	42	2.0	15.9	3.0	1.0
UGA	G11PR-407R2	62.1	10	**62.2**	11/10	41	3.0	17.9	3.5	1.0
Bayer	CZ 7070 RY	61.9	18[T]	**60.0**	10/28	36	3.0	14.7	3.2	1.0
USG	78S04R	61.4	8	**62.5**	11/08	42	1.7	18.2	3.0	1.3
AGSouth	AGS 757 RR	61.3	11[T]	**62.0**	10/31	39	2.0	16.6	3.2	1.7
UGA	G11PR-56151R2	61.2	18[T]	**60.0**	11/01	39	2.7	17.0	3.0	1.0
Bayer	HBK RY7523	60.9	17	**60.4**	10/30	35	1.7	15.7	3.2	1.3
AGSouth	AGS 807	60.9	26	57.0	10/30	39	2.3	15.7	3.0	1.7
Dyna-Gro	S74RY15	60.0	16	**60.6**	10/29	35	1.0	15.8	3.0	1.3
Dyna-Gro	S77RY85	59.9	21	59.3	10/31	37	1.0	13.9	3.0	1.0
SC	SC07-1490RR	59.8	25	57.5	11/11	45	1.7	16.8	2.7	1.0
NK	S74-M3	58.9	31[T]	55.7	10/26	36	2.3	14.9	3.2	1.3
AgSouth	AGS 738 RR	58.5	24	57.6	10/26	33	2.7	12.9	2.8	1.0
SC	SC06-301RR	58.3	20	59.4	11/10	39	2.3	14.5	3.2	1.0
Terral-REV®	73A74™	56.7	32	55.4	10/30	37	3.0	14.9	3.0	1.0
UGA	G11PR-209R2	56.0	31[T]	55.7	10/29	37	1.7	15.1	2.8	1.3
SC	SC07-108RR	55.8	36	52.4	11/05	39	2.0	14.0	3.2	1.3
AGSouth	AGS 828 RR	55.0	37	52.3	11/01	35	2.7	13.5	2.8	1.0
Public Variety	Santee	54.8	39	51.1	10/27	42	2.3	15.3	2.7	1.0
UGA	G11PR-56238R2	54.0	38	51.2	10/29	39	2.7	14.5	3.3	1.7
UGA	G10PR-56444R2	53.7	41	48.3	10/29	39	3.3	15.4	2.8	1.7
Public Variety	Cook	51.7	42	47.2	10/28	38	3.3	15.0	3.0	1.0
Dyna-Gro	S72RS36	.	1	**67.4**	10/30	34	1.3	17.6	2.8	1.0
USG	77J25RS	.	2	**66.6**	10/28	34	1.0	16.6	2.5	1.3
SS	SS 7215NS R2	.	3	**65.8**	10/28	37	1.3	16.2	3.0	1.7
UGA	G13LL-44	.	4	**65.2**	11/01	38	1.7	18.2	2.7	1.0
UGA	G13LL-56	.	6	**64.2**	10/31	40	2.7	17.7	2.8	1.0
Public Variety	Cheraw	.	12	**61.8**	11/04	39	2.3	16.2	3.2	1.0
Croplan Genetics	R2C7622	.	13	**61.4**	11/04	37	2.3	11.3	3.2	1.3
Meherrin	SH 7116 LL	.	14	**61.3**	10/23	35	1.7	13.4	2.7	1.3
Pioneer	P76T54R2	.	15	**60.8**	11/01	41	1.3	13.7	3.2	1.7
UGA	G13LL-5	.	19	**59.8**	10/26	35	3.0	13.9	2.5	1.0
Public Variety	Maxcy	.	22	58.4	11/02	40	2.3	17.5	3.2	1.0
UGA	G00-3213	.	23	58.0	10/30	38	2.3	16.8	2.8	1.3
NK	S73-S8	.	27	56.5	10/30	41	1.0	13.2	3.2	1.7
UGA	G00-3880	.	28	56.3	10/29	39	3.0	14.7	2.8	1.0
Croplan Genetics	5R2C72S	.	29	55.9	11/02	40	3.0	16.9	3.3	1.0

Griffin, Georgia:
Late-Planted Soybean Variety Performance, 2015, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year Average Yield	2015 Data							
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]	Shatt.[4]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group VII and VIII - continued										
SC	SC09-092RR	.	30	55.8	11/08	40	2.0	17.7	2.8	1.0
UGA	G13LL-7	.	33	54.5	10/26	37	2.7	14.0	2.5	1.3
Bayer	CZ 7132 LL	.	34	54.3	10/26	43	2.3	15.4	2.3	1.0
Bayer	CZ 7007 LL	.	35	54.0	10/30	34	2.0	15.8	2.7	1.0
Public Variety	Paul	.	40[T]	50.8	10/31	34	1.7	12.8	3.3	1.3
TA Seeds	TS6569R2	.	40[T]	50.8	11/09	43	1.7	16.8	2.8	1.0
SC	SC06-291RR	.	43	43.4	11/10	43	4.0	12.9	3.5	1.0
Average		59.5		57.9[5]	11/01	38	2.2	15.5	3.0	1.2
LSD at 10% Level		4.6		7.6	3	3	1.0	1.5	N.S.[6]	N.S.
Std. Err. of Entry Mean		2.3		3.2	1	1	1.0	0.6	0.2	0.2

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 9.7% and df for EMS = 92.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted: June 29, 2015.
Harvested: November 16, 2015.
Seeding Rate: Eight seeds per foot in 30" rows.
Soil Type: Cecil clay loam.
Soil Test: P = Medium, K = Medium, and pH = 6.2.
Fertilization: 30 lb N, 60 lb P_2O_5, and 90 lb K_2O/acre.
Previous Crop: Wheat.
Management: Chisel plowed, disked, and rototilled; Treflan, Classic, Pursuit, Blazer, and one cultivation used for weed control; Headline used for fungal control; irrigated 2.5 inches.

Test conducted by H. Jordan and G. Ware.

Athens, Georgia:
Soybean Variety Performance, 2015, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2015 Data						
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
		bu/acre		bu/acre	date	in	rating	gm	rating
Maturity Group V									
AGSouth	AGS 568RR	**48.5**	10	48.7	10/06	20	1.0	16.3	2.7
Dyna-Gro	S56RY84	**47.6**	11	48.4	10/10	24	1.0	16.0	3.2
Pioneer	P54T94R	**47.5**	6	**52.7**	10/08	19	1.0	16.8	3.7
Terral-REV®	55R53™	**46.0**	15	46.8	10/08	21	1.0	16.7	3.5
SS	5513N R2	**45.8**	18	44.1	10/08	25	1.0	15.7	3.5
AR	UA 5612	**45.5**	14	47.3	10/06	22	1.0	15.2	3.7
Terral-REV®	56R63™	**43.9**	21	43.3	10/08	27	1.0	14.5	3.0
AR	UA 5213C	**43.7**	24	42.7	10/03	19	1.0	13.2	4.0
SS	5711N R2	**43.0**	13	47.5	10/06	22	1.0	16.6	3.2
SS	SS 5511N R2	**42.0**	26	41.6	10/03	21	1.0	17.2	3.5
Terral-REV®	57R21™	**41.5**	12	47.7	10/07	29	1.0	14.6	3.2
Bayer	HBK RY5221	**41.3**	20	43.8	09/29	29	1.7	16.4	3.7
NK	S52-Y2 Brand	**41.2**	39	32.2	10/02	24	1.0	15.8	3.8
AGSouth	AGS 533 LL	**39.4**	27	41.2	10/01	29	1.0	14.3	3.5
Dyna-Gro	39RY57	**37.5**	28	39.8	10/05	20	1.0	16.6	3.7
Bayer	HBK LL4950	**37.2**	37	34.0	09/30	26	1.0	13.4	3.5
Public Variety	Osage	**33.1**	36	35.3	10/06	17	1.0	14.1	3.3
SS	LL 5914NS	.	1	**59.6**	10/10	25	1.0	15.8	3.0
NK	S58-Z4	.	2	**59.4**	10/13	21	1.0	17.0	2.0
Bayer	CZ 5947 LL	.	3	**55.8**	10/19	26	1.0	14.5	1.5
University of MO	S11-20124	.	4	**55.6**	10/06	29	1.3	14.5	3.2
Pioneer	P56T12SR	.	5	**55.5**	10/07	25	1.0	16.8	3.2
AR	UA 5814HP	.	7	50.9	10/11	23	1.0	16.8	1.8
Bayer	CZ 5727 LL	.	8	50.3	10/10	24	1.0	18.0	2.3
University of MO	S11-20195	.	9	49.6	10/01	23	1.0	13.6	3.3
SS	SS 5615N R2	.	16	46.0	10/07	20	1.0	15.8	3.0
AR	R09-430	.	17	45.2	09/27	18	1.0	15.1	3.0
Bayer	CZ 5515 LL	.	19	43.9	10/07	39	1.0	16.7	2.8
USG	75J90R	.	22[T]	43.2	10/03	22	1.0	15.8	3.2
University of MO	S11-16653	.	22[T]	43.2	09/28	21	1.0	16.8	3.3
Pioneer	P52T50R	.	23	43.0	09/28	19	1.0	14.0	3.3
AGSouth	AGS 5911LL	.	25	41.7	10/07	22	1.0	13.8	3.0
Croplan Genetics	5R2C56	.	29	39.3	10/07	19	1.0	15.2	3.3
AR	UA 5414RR	.	30	38.6	10/07	18	1.0	14.3	3.5
NK	S53-A1	.	31	38.2	09/30	18	1.0	15.9	3.0
AR	R10-197RY	.	32	37.5	10/04	18	1.0	14.6	3.3
Croplan Genetics	R2C5673	.	33	37.1	10/08	21	1.0	14.7	3.7
University of MO	S11-17025	.	34	36.8	10/09	18	1.0	15.2	3.5
University of MO	S11-20337	.	35	36.1	09/25	19	1.0	14.7	3.2
USDA-ARS	JTN-5110	.	38	33.5	10/01	19	1.0	14.9	3.7
Bayer	CZ 4959 RY	.	40	29.3	09/27	25	1.0	16.6	3.0
Average		42.6		44.1[4]	10/05	23	1.0	15.5	3.2
LSD at 10% Level		N.S.[5]		7.7	3	3	0.1	1.3	0.4
Std. Err. of Entry Mean		2.7		3.3	1	1	0.1	0.5	0.2

Athens, Georgia:
Soybean Variety Performance, 2015, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2015 Data						
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
		bu/acre		bu/acre	date	in	rating	gm	rating
Maturity Group VI									
NK	S67-R6 Brand	**46.4**	1	**50.3**	10/13	26	1.0	.	.
Dyna-Gro	S65RY73	**42.6**	4	**44.8**	10/15	24	1.0	.	.
SS	SS 6810N R2	38.1	9	39.6	10/23	28	1.0	.	.
Public Variety	Musen	35.9	13	35.0	10/22	30	1.3	.	.
Croplan Genetics	R2C6764	30.5	17	28.6	10/15	24	1.0	.	.
Bayer	CZ 6515 LL	.	2	**47.1**	10/25	28	1.0	.	.
SS	LL 6314S	.	3	**46.8**	10/23	34	1.0	.	.
Meherrin	SH 6215 LL	.	5	42.4	10/22	31	1.0	.	.
Pioneer	P67T25R2	.	6	41.2	10/18	31	1.0	.	.
Meherrin	SH 6815 LL	.	7	41.0	10/21	33	1.3	.	.
AGSouth	AGS 674 LL	.	8	39.8	10/19	35	1.7	.	.
Meherrin	SH 6515 LL	.	10	38.3	10/13	26	1.0	.	.
Bayer	CZ 6109 LL	.	11	37.6	10/12	22	1.0	.	.
Bayer	CZ 6316 LL	.	12	36.4	10/16	25	1.0	.	.
Bayer	CZ 6060 RY	.	14	34.7	10/09	22	1.0	.	.
Asgrow	AG6536 GENRR2Y	.	15	33.3	10/18	29	1.0	.	.
Croplan Genetics	R2C6192	.	16	31.2	10/20	22	1.0	.	.
USG	76J45R	.	18	28.4	10/12	26	1.0	.	.
TA Seeds	TS6569R2	.	19	27.5	10/11	26	1.0	.	.
SS	SS 6315 R2	.	20	27.4	10/11	25	1.0	.	.
USG	76S73R	.	21	25.1	10/15	24	1.0	.	.
Dyna-Gro	S67RY25	.	22	22.5	10/16	24	1.0	.	.
Croplan Genetics	5R2T65	.	23	22.0	10/06	22	1.0	.	.
Average		38.7		35.7 [6]	10/16	27	1.1	.	.
LSD at 10% Level		7.1		5.7	2	2	0.3	.	.
Std. Err. of Entry Mean		2.2		2.4	1	1	0.1	.	.
Maturity Groups VII and VIII									
AGSouth	AGS Woodruff	**62.2**	1	**63.1**	10/27	33	1.3	.	.
UGA	G11PR-56151R2	54.7	3[T]	**60.2**	10/28	29	1.0	.	.
NK	S74-M3	54.6	12	51.7	10/22	29	1.0	.	.
Asgrow	AG7535 GENRR2Y	53.2	7	53.9	10/26	27	1.0	.	.
SC	SC06-301RR	52.8	8	53.7	10/28	28	1.0	.	.
SC	SC07-108RR	52.5	9	53.4	10/31	31	1.0	.	.
Terral-REV®	73A74™	51.3	20	48.9	10/22	33	2.0	.	.
AGSouth	AGS 757 RR	51.0	14[T]	51.1	10/26	29	1.0	.	.
AGSouth	AGS 738 RR	50.7	24	47.5	10/19	27	1.0	.	.
UGA	G10PR-56444R2	50.5	6[T]	54.1	10/23	32	1.7	.	.
Public Variety	Santee	48.9	31	44.5	10/26	28	1.0	.	.
UGA	G11PR-407R2	48.8	14[T]	51.1	10/28	29	1.3	.	.
SC	SC07-1518RR	48.8	19	49.3	10/31	31	1.0	.	.
UGA	G11PR-209R2	48.7	29[T]	44.8	10/21	30	1.3	.	.
AGSouth	AGS 828 RR	48.6	21	48.8	10/28	27	1.3	.	.

Athens, Georgia:
Soybean Variety Performance, 2015, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2015 Data						
			Rank	Yield[1]	Maturity	Plant Ht	Lodging[2]	Wt of 100 Seed	Seed Quality[3]
				bu/acre	date	in	rating	gm	rating
Maturity Groups VII and VIII -continued									
UGA	G11PR-56238R2	47.7	30[T]	44.6	10/24	26	1.0	.	.
Bayer	HBK RY7523	47.6	27[T]	46.1	10/22	29	1.0	.	.
USG	77S40R	47.4	29[T]	44.8	10/22	23	1.0	.	.
Bayer	CZ 7070 RY	47.4	36	42.2	10/22	31	1.3	.	.
Dyna-Gro	S74RY15	46.8	25	47.3	10/22	23	1.0	.	.
SC	SC07-1490RR	46.1	10	52.3	10/30	28	1.0	.	.
AGSouth	AGS 807	45.0	28[T]	45.0	10/28	28	1.7	.	.
Dyna-Gro	S77RY85	44.8	26	46.6	10/28	27	1.0	.	.
Public Variety	Cook	42.8	35	42.5	10/28	30	1.0	.	.
USG	78S04R	39.5	37	41.2	10/29	31	1.0	.	.
UGA	G13LL-7	.	2	**61.3**	10/23	31	1.0	.	.
UGA	G00-3213	.	3[T]	**60.2**	10/26	24	1.0	.	.
Public Variety	Cheraw	.	4	**55.7**	10/26	29	1.0	.	.
UGA	G13LL-5	.	5	**55.2**	10/20	33	1.3	.	.
UGA	G13LL-44	.	6[T]	54.1	10/24	29	1.0	.	.
Bayer	CZ 7007 LL	.	11	52.0	10/26	31	1.3	.	.
Dyna-Gro	S72RS36	.	13	51.2	10/25	31	1.0	.	.
UGA	G13LL-56	.	15	50.9	10/22	31	1.3	.	.
SS	SS 7215NS R2	.	16	50.5	10/24	31	1.0	.	.
SC	SC06-291RR	.	17	50.0	11/02	37	2.0	.	.
UGA	G00-3880	.	18	49.5	10/27	29	1.0	.	.
Croplan Genetics	R2C7622	.	22	48.6	10/28	35	1.3	.	.
TA Seeds	TS8059R2	.	23	48.2	10/29	33	1.0	.	.
Public Variety	Maxcy	.	27[T]	46.1	10/28	31	1.3	.	.
SC	SC09-092RR	.	28[T]	45.0	10/31	33	1.7	.	.
Public Variety	Paul	.	30[T]	44.6	10/29	27	1.3	.	.
USG	77J25RS	.	32	44.4	10/28	30	1.0	.	.
Pioneer	P76T54R2	.	33	44.0	10/24	33	1.0	.	.
Bayer	CZ 7132 LL	.	34	43.4	10/21	47	2.0	.	.
NK	S73-S8	.	38	39.9	10/26	30	1.3	.	.
Meherrin	SH 7116 LL	.	39	27.4	10/16	25	1.0	.	.
Average		49.3		48.9 [7]	10/25	30	1.2	.	.
LSD at 10% Level		6.1		8.4	3	5	0.5	.	.
Std. Err. of Entry Mean		2.6		3.6	1	2	0.2	.	.

Athens, Georgia:
Soybean Variety Performance, 2015, Irrigated (Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. CV = 12.9% and df for EMS = 80.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
6. CV = 11.6% and df for EMS = 44.
7. CV = 12.6% and df for EMS = 92.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted:	May 21, 2015.
Harvested:	Maturity Group V - October 19, 2015. Maturity Group VI - November 23, 2015. Maturity Groups VII & VIII - November 24, 2015.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Cecile coarse sandy loam.
Soil Test:	P = Medium, K = Medium, and pH = 6.5.
Fertilization:	14 lb N, 52 lb P_2O_5, and 105 lb K_2O/acre.
Previous Crop:	Cotton.
Management:	Chisel plowed and disked; Valor XLT, Prowl, Classic, and one cultivation used for weed control; Endigo used for insect control; Domark used for disease control; Telone II used for nematode control; irrigated 4 inches.

Test conducted by Z. Li, E.D. Wood, G.E. Bishop, S.L. Finnerty, W.E. Baxter, B. F. Wilson, J.B. Nation, T.R. Wilson, J.B. Collins, J.L. Martin, K.L. Yeargin, R.S. Page, J.J. Griffin, P.K. Roach, and J.M. Cartey.

Calhoun, Georgia:
Soybean Variety Performance, 2015, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2015 Data							
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]	Shatt.[4]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group V										
AGSouth	AGS 568RR	**54.9**	4	**51.8**	10/01	44	2.3	15.6	2.3	2.0
SS	SS 5511N R2	**53.6**	15[T]	46.7	10/03	40	1.7	15.4	3.0	2.2
Terral-REV®	56R63™	**52.7**	10	48.1	10/08	44	3.3	15.1	2.7	2.2
Bayer	HBK LL4950	**52.4**	19[T]	45.4	10/02	42	1.0	13.7	3.2	2.0
Pioneer	P54T94R	**52.2**	8	48.4	10/04	38	2.0	14.5	3.2	2.2
Dyna-Gro	S56RY84	**51.3**	26	42.7	10/02	43	2.3	13.4	3.3	2.3
Terral-REV®	57R21™	**50.9**	14[T]	47.1	10/07	47	3.0	13.9	2.7	1.7
AR	UA 5213C	**50.8**	17[T]	45.7	10/02	36	2.0	13.3	2.8	2.2
AR	UA 5612	**50.1**	23	43.8	10/07	37	2.7	13.8	3.3	2.0
AGSouth	AGS 533 LL	**50.0**	27	42.6	09/29	39	1.0	14.5	3.5	2.3
Dyna-Gro	39RY57	**49.3**	34	36.4	10/05	40	2.0	15.2	3.3	2.0
SS	5513N R2	**48.6**	25	42.8	10/03	40	1.7	14.1	3.2	3.2
Bayer	HBK RY5221	**48.4**	3	**52.4**	10/02	42	2.3	16.5	4.0	2.0
Terral-REV®	55R53™	**47.8**	20	45.3	10/04	37	2.0	14.5	3.7	2.0
NK	S52-Y2 Brand	**47.6**	15[T]	46.7	10/03	37	1.0	14.3	3.7	1.7
SS	5711N R2	**47.1**	35	34.9	10/01	41	2.3	15.0	3.0	2.0
Public Variety	Osage	**45.4**	33	37.3	09/29	33	1.0	13.9	3.0	2.0
University of MO	S11-16653	.	1	**56.8**	10/03	37	2.0	16.5	3.3	2.0
Pioneer	P56T12SR	.	2	**56.1**	10/07	43	1.7	15.8	2.7	2.0
AR	UA 5814HP	.	5	**51.6**	10/07	40	2.0	14.7	2.5	1.7
Croplan Genetics	5R2C56	.	6	**50.3**	10/03	42	1.0	14.7	2.8	2.0
Bayer	CZ 5727 LL	.	7	48.8	10/08	40	1.7	16.4	1.8	2.0
NK	S53-A1	.	9	48.2	10/06	38	2.0	16.6	3.3	2.0
Bayer	CZ 5947 LL	.	11	47.8	10/08	43	2.3	13.1	2.0	1.3
Croplan Genetics	R2C5673	.	12	47.5	10/02	41	2.0	13.1	3.2	2.3
University of MO	S11-20337	.	13	47.3	10/04	39	2.7	12.9	3.5	2.0
NK	S58-Z4	.	14[T]	47.1	10/08	39	1.3	13.5	2.0	1.0
Bayer	CZ 4959 RY	.	16[T]	46.1	09/30	35	1.0	16.4	3.3	2.0
SS	SS 5615N R2	.	16[T]	46.1	10/02	41	1.0	15.6	2.5	2.0
AR	R10-197RY	.	17[T]	45.7	10/03	41	1.0	13.8	2.8	2.0
University of MO	S11-20195	.	18	45.6	10/02	39	3.3	12.9	3.8	2.0
USDA-ARS	JTN-5110	.	19[T]	45.4	10/03	38	2.0	14.7	3.5	2.0
AR	R09-430	.	19[T]	45.4	10/07	36	1.7	14.8	3.5	2.3
Pioneer	P52T50R	.	21	44.2	10/02	42	1.0	12.8	3.3	2.0
University of MO	S11-20124	.	22	43.9	10/05	42	4.0	13.3	3.2	2.3
University of MO	S11-17025	.	24	42.9	10/04	36	4.3	13.2	3.8	1.7
Bayer	CZ 5515 LL	.	28	41.6	10/04	46	1.7	13.7	3.2	2.0
AR	UA 5414RR	.	29	41.1	09/29	38	2.7	13.6	3.2	2.0
AGSouth	AGS 5911LL	.	30	40.1	10/04	41	1.0	13.1	3.3	3.0
USG	75J90R	.	37	39.7	10/02	41	1.7	16.5	2.8	2.0
SS	LL 5914NS	.	32	38.7	10/04	41	2.7	12.7	3.7	2.0
Average		50.2		45.5[5]	10/03	40	2.0	14.4	3.1	2.0
LSD at 10% Level		N.S.[6]		6.5	4	3	0.8	1.1	0.5	0.5
Std. Err. of Entry Mean		2.0		2.8	2	1	0.3	0.5	0.2	0.2

Calhoun, Georgia:
Soybean Variety Performance, 2015, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2015 Data							
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]	Shatt.[4]
				bu/acre	date	in	rating	gm	rating	rating
Maturity Group VI										
NK	S67-R6 Brand	**53.2**	1	**55.7**	10/13	44	3.3	15.0	3.0	1.3
Dyna-Gro	S65RY73	**49.1**	8	45.7	10/16	41	2.0	12.1	2.5	1.0
Public Variety	Musen	43.7	7	45.8	10/16	48	2.3	15.0	2.3	1.3
Croplan Genetics	R2C6764	42.4	14	42.4	10/14	39	1.0	13.2	2.3	1.0
SS	SS 6810N R2	40.8	18	39.9	10/18	45	1.0	13.3	2.3	1.7
Bayer	CZ 6515 LL	.	2	**51.9**	10/12	44	1.3	15.5	1.5	1.0
Meherrin	SH 6515 LL	.	3	**50.2**	10/15	43	1.7	14.2	2.7	1.7
Meherrin	SH 6215 LL	.	4	46.7	10/10	48	1.3	17.0	1.7	1.3
Bayer	CZ 6060 RY	.	5	46.5	10/13	39	2.3	16.9	3.2	2.0
Croplan Genetics	5R2T65	.	6	45.9	10/12	40	2.7	15.4	4.0	1.7
SS	LL 6314S	.	9	45.4	10/21	44	1.0	16.7	1.8	2.0
Croplan Genetics	R2C6192	.	10	45.1	10/14	39	1.3	13.2	2.5	1.3
AGSouth	AGS 674 LL	.	11	44.9	10/19	43	3.3	13.7	2.3	1.7
Bayer	CZ 6109 LL	.	12	43.0	10/09	39	1.7	14.4	2.8	1.7
Asgrow	AG6536 GENRR2Y	.	13	42.5	10/16	42	1.3	13.6	2.0	1.3
Dyna-Gro	S67RY25	.	15	42.2	10/09	43	1.3	13.4	2.2	1.7
Bayer	CZ 6316 LL	.	16	41.5	10/13	41	1.7	12.2	3.0	1.7
USG	76S73R	.	17	41.0	10/17	42	1.3	13.6	2.3	2.0
Pioneer	P67T25R2	.	19	38.6	10/17	44	1.3	13.8	2.2	1.7
Meherrin	SH 6815 LL	.	20	38.0	10/19	44	3.3	13.3	2.5	1.3
USG	76J45R	.	21	35.0	10/18	40	1.7	11.6	3.0	1.0
TA Seeds	TS6569R2	.	22	30.4	10/10	41	1.0	12.1	3.2	1.0
SS	SS 6315 R2	.	23	27.7	10/15	41	2.0	11.7	3.3	1.3
Average		45.8		42.9[7]	10/14	42	1.8	14.0	2.6	1.5
LSD at 10% Level		7.2		5.9	N.S.	N.S.	0.9	1.1	0.4	0.6
Std. Err. of Entry Mean		1.8		2.5	3	2.3	0.4	0.4	0.2	0.3

Calhoun, Georgia:
Soybean Variety Performance, 2015, Irrigated (Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 10.5% and df for EMS = 80.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
7. CV = 10.1% and df for EMS = 44.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted:	June 8, 2015.
Harvested:	November 27, 2015.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Rome gravelly clay loam.
Soil Test:	Maturity Group V: P = High, K = Very High, and pH = 6.2. Maturity Group VI: P = Very High, K = High, and pH = 6.1.
Fertilization:	21 lb N, 54 lb P_2O_5, and 168 lb K_2O/acre.
Previous Crop:	Corn.
Management:	Moldboard plowed,disked, and rototilled; Treflan, Basagran, Classic, Ultra Blazer, and one cultivation used for weed control; Bifenthrin used for insect control; applied 1.5 ton lime/acre; irrigated 11 inches.

Test conducted by H. Jordan, G. Ware, and J. Stubbs.

Summary of Ultra-Late Planted Soybean Variety Performance, 2015

Company/Brand	Variety	Yield[1]		Statewide Averages	
		Griffin	Midville	2015	2-Year
		bu/acre			
AGSouth	AGS 533 LL	29.0	22.4	25.7	.
AGSouth	AGS 568RR	26.8	24.3	25.5	**27.2**
AGSouth	AGS 5911LL	33.2	20.2	26.7	.
AGSouth	AGS 738 RR	12.3	19.4	15.9	.
AGSouth	AGS 828 RR	17.8	14.5	16.1	21.8
AR	UA 5612	23.7	15.7	19.7	.
Bayer	CZ 7070 RY	23.0	13.6	18.3	.
Bayer	HBK LL5350	19.2	15.1	17.1	.
Croplan Genetics	R2C7622	19.5	15.7	17.6	.
Dyna-Gro	S65RY73	13.2	11.6	12.4	.
NK	S67-R6 Brand	**39.9**	**28.2**	**34.1**	.
NK	S74-M3	19.9	19.5	19.7	.
Public Variety	Osage	24.6	17.9	21.2	.
Public Variety	Santee	20.3	17.5	18.9	.
SS	5513N R2	28.2	22.4	25.3	.
SS	5711N R2	25.5	21.6	23.6	.
SS	SS 6810N R2	24.0	20.6	22.3	20.5
Terral-REV®	56R63™	30.6	22.5	26.6	.
Terral-REV®	57R21™	22.8	21.6	22.2	.
USG	77S40R	10.3	16.3	13.3	.
Average		23.2	19.0	21.1	23.2
LSD at 10% Level		4.8	3.7	3.6	3.3
Std. Err. of Entry Mean		2.0	1.6	1.6	1.4

1. Yields calculated at 13% moisture.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Midville, Georgia:
Ultra-Late Planted Soybean Variety Performance, 2015, Irrigated

Company or Brand Name	Variety	Mat. Group	2-Year Average Yield	2015 Data						
				Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
			bu/acre		bu/acre	date	in	rating	gm	rating
AGSouth	AGS 568RR	5	**29.4**	2	24.3	11/26	24	1.0	.	.
SS	SS 6810N R2	6	**23.2**	6	20.6	11/25	17	1.0	.	.
AGSouth	AGS 828 RR	8	**22.1**	15	14.5	11/27	17	1.0	.	.
NK	S67-R6 Brand	6	.	1	**28.2**	11/30	25	1.0	.	.
Terral-REV®	56R63™	5	.	3	22.5	12/02	24	1.0	.	.
AGSouth	AGS 533 LL	5	.	4[T]	22.4	11/30	24	1.0	.	.
SS	5513N R2	5	.	4[T]	22.4	11/27	23	1.0	.	.
SS	5711N R2	5	.	5[T]	21.6	11/30	23	1.0	.	.
Terral-REV®	57R21™	5	.	5[T]	21.6	11/30	22	1.0	.	.
AGSouth	AGS 5911LL	5	.	7	20.2	12/04	25	1.0	.	.
NK	S74-M3	7	.	8	19.5	11/27	17	1.0	.	.
AGSouth	AGS 738 RR	7	.	9	19.4	11/25	16	1.0	.	.
Public Variety	Osage	5	.	10	17.9	11/30	19	1.0	.	.
Public Variety	Santee	7	.	11	17.5	11/22	18	1.0	.	.
USG	77S40R	7	.	12	16.3	11/28	14	1.0	.	.
AR	UA 5612	5	.	13[T]	15.7	11/26	20	1.0	.	.
Croplan Genetics	R2C7622	7	.	13[T]	15.7	11/27	16	1.0	.	.
Bayer	HBK LL5350	5	.	14	15.1	11/29	22	1.0	.	.
Bayer	CZ 7070 RY	7	.	16	13.6	11/22	14	1.0	.	.
Dyna-Gro	S65RY73	6	.	17	11.6	11/20	13	1.0	.	.
Average			24.9		19.0[4]	11/27	20	1.0	.	.
LSD at 10% Level			N.S.[5]		3.7	1	2	.	.	.
Std. Err. of Entry Mean			1.7		1.6	1	1	.	.	.

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. CV = 16.3% and df for EMS = 57.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted: August 20, 2015.
Harvested: December 11, 2015.
Seeding Rate: Three seeds per foot in 7" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = Medium, K = Medium, and pH = 6.4.
Fertilization: 0 lb N, 0 lb P_2O_5, and 0 lb K_2O/acre. Sidedress: 39 lb N/per acre.
Previous Crop: Corn.
Management: Disked and field conditioned; Prowl used for weed control; Lorsban and Radiant used for insect control; Domark used for fungal control; irrigated 3.7 inches.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

Attapulgus, Georgia:
Ultra-Late Planted Soybean Variety Performance, 2015, Irrigated

Company or Brand Name	Variety	Mat. Group	2-Year Average Yield	2015 Data						
				Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
			bu/acre		bu/acre	date	in	rating	gm	rating
AGSouth	AGS 568RR	5	**25.1**	6	26.8	10/31	24	1.0	17.5	1.6
AGSouth	AGS 828 RR	8	**21.4**	17	17.8	11/04	18	1.0	16.3	2.3
SS	SS 6810N R2	6	**17.9**	9	24.0	11/02	20	1.0	16.5	2.1
NK	S67-R6 Brand	6	.	1	**39.9**	11/07	24	1.0	17.7	1.6
AGSouth	AGS 5911LL	5	.	2	33.2	11/06	26	1.0	16.5	2.0
Terral-REV®	56R63™	5	.	3	30.6	11/07	26	1.0	17.4	1.8
AGSouth	AGS 533 LL	5	.	4	29.0	11/02	25	1.0	15.3	1.8
SS	5513N R2	5	.	5	28.2	11/03	22	1.0	17.0	1.6
SS	5711N R2	5	.	7	25.5	11/05	22	1.0	17.5	2.1
Public Variety	Osage	5	.	8	24.6	11/07	17	1.0	17.6	1.6
AR	UA 5612	5	.	10	23.7	11/01	21	1.0	16.2	1.9
Bayer	CZ 7070 RY	7	.	11	23.0	11/01	18	1.0	16.5	1.5
Terral-REV®	57R21™	5	.	12	22.8	11/05	25	1.0	16.0	2.0
Public Variety	Santee	7	.	13	20.3	11/02	21	1.0	16.6	2.3
NK	S74-M3	7	.	14	19.9	11/04	18	1.0	19.0	2.4
Croplan Genetics	R2C7622	7	.	15	19.5	11/01	18	1.0	16.1	2.1
Bayer	HBK LL5350	5	.	16	19.2	11/03	20	1.0	15.1	1.9
Dyna-Gro	S65RY73	6	.	18	13.2	10/30	14	1.0	16.9	2.5
AGSouth	AGS 738 RR	7	.	19	12.3	11/03	15	1.0	17.2	2.3
USG	77S40R	7	.	20	10.3	11/03	13	1.0	17.6	2.0
Average			21.5		23.2[4]	11/03	20	1.0	16.8	2.0
LSD at 10% Level			N.S.[5]		4.8	2	2	.	1.2	0.4
Std. Err. of Entry Mean			1.2		2.0	1	1	.	0.5	0.1

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. CV = 17.4% and df for EMS = 57.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted: August 6, 2015.
Harvested: November 30, 2015.
Seeding Rate: Three seeds per foot in 7" rows.
Soil Type: Dothan loamy sand.
Soil Test: P = Medium, K = Low, and pH = 6.0.
Fertilization: 84 lb N, 24 lb P_2O_5, and 120 lb K_2O/acre. Sidedress 30 lb N/per acre.
Previous Crop: Corn.
Management: Disked, field conditioned, and rototilled; Valor, Prowl, and Reflex used for weed control; Lorsban and Steward used for insect control; irrigated 3.5 inches.

Test conducted by B. Mills, L. Hitson, D. Dunn, R. Brooke, B. McCranie, and G. South.

Summary of Dryland Soybean Variety Performance at Four Locations, 2015

Company or Brand Name	Variety	Yields[1] Griffin 2015	Griffin 2-Yr Avg	Midville 2015	Midville 2-Yr Avg	Plains 2015	Plains 2-Yr Avg	Tifton 2015	Tifton 2-Yr Avg	Statewide Avg 2015	Statewide Avg 2-Yr Avg
		bu/acre									
Maturity Group V											
AGSouth	AGS 533 LL	**63.8**	.	35.4	.	**68.1**	.	**53.6**	.	**55.3**	.
AGSouth	AGS 568RR	**57.5**	**50.9**	37.2	**32.7**	**69.6**	**47.8**	**57.1**	**45.8**	**55.4**	44.3
AGSouth	AGS 5911LL	**56.0**	.	36.9	.	**68.2**	.	**54.3**	.	**53.8**	.
AR	UA 5612	**72.1**	.	35.8	.	**70.8**	.	**58.3**	.	**59.2**	.
Bayer	HBK LL4950	**65.7**	.	31.3	.	**68.9**	.	**51.7**	.	**54.4**	.
Public Variety	Osage	**67.7**	**57.1**	**42.0**	**34.1**	**68.7**	**47.2**	**55.3**	**41.3**	**58.4**	45.0
SS	5513N R2	**64.0**	.	**38.9**	.	**73.7**	.	**60.2**	.	**59.2**	.
SS	5711N R2	**70.2**	.	35.3	.	**68.1**	.	**61.0**	.	**58.6**	.
Terral-REV®	56R63™	**60.0**	.	34.1	.	**69.6**	.	**61.9**	.	**56.4**	.
Terral-REV®	57R21™	**60.7**	**54.3**	37.7	**35.2**	**68.6**	**49.2**	**55.7**	**49.3**	**55.7**	**47.0**
Average		63.8	54.1	36.5	34.0	69.4	48.1	56.9	45.5	56.6	45.4
LSD at 10% Level		N.S.[2]	N.S.	4.0	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	1.9
Std. Err. of Entry Mean		4.1	2.0	1.6	1.5	2.5	1.6	2.8	1.2	1.4	0.8
Maturity Group VI											
Asgrow	AG6536 GENRR2Y	63.7	.	**38.2**	.	58.4	.	55.2	.	53.9	.
Bayer	CZ 6515 LL	59.2	.	**40.6**	.	**67.2**	.	**57.5**	.	56.1	.
Bayer	HBK RY7523	63.4	.	**37.1**	.	58.3	.	53.3	.	53.0	.
Croplan Genetics	R2C6192	61.0	.	**40.2**	.	**62.6**	.	42.2	.	51.5	.
Dyna-Gro	S65RY73	**72.6**	**64.0**	**38.5**	**36.0**	60.3	**45.2**	54.3	**43.2**	56.5	**47.1**
NK	S67-R6 Brand	**70.0**	**60.5**	**40.8**	**39.9**	**68.3**	**50.1**	**62.7**	**50.9**	**60.5**	**50.3**
Pioneer	P67T25R2	62.4	.	**36.2**	.	**63.9**	.	54.5	.	54.2	.
Public Variety	Musen	57.6	**51.2**	**40.2**	**35.8**	**63.9**	**50.5**	54.7	**54.2**	54.1	**47.9**
SS	SS 6810N R2	58.4	**56.4**	**37.5**	**44.0**	53.8	**44.1**	**57.6**	**58.5**	51.8	**50.8**
TA Seeds	TS6569R2	59.2	.	**37.0**	.	58.2	.	55.5	.	52.5	.
Average		62.8	58.0	38.6	38.9	61.5	47.5	54.7	51.7	54.4	49.0
LSD at 10% Level		7.5	N.S.	N.S.	N.S.	6.0	N.S.	6.6	N.S.	3.1	N.S.
Std. Err. of Entry Mean		3.1	1.9	2.3	1.7	2.4	1.2	2.7	2.6	1.3	1.0
Maturity Group VII & VIII											
AGSouth	AGS 738 RR	**48.5**	.	35.7	.	**63.0**	.	**57.0**	.	51.1	.
AGSouth	AGS 828 RR	**56.4**	.	37.1	.	**64.1**	.	49.8	.	51.9	.
AGSouth	AGS Woodruff	**57.9**	**51.3**	**40.4**	**38.8**	**66.4**	**52.8**	51.2	**57.1**	54.0	**50.0**
Asgrow	AG7535 GENRR2Y	**58.9**	.	38.7	.	**68.6**	.	**58.4**	.	**56.2**	.
Bayer	CZ 7070 RY	**49.0**	.	**40.2**	.	**66.4**	.	**60.1**	.	**53.9**	.
Croplan Genetics	R2C7622	**59.1**	.	**41.6**	.	**65.2**	.	**61.5**	.	**56.9**	.
NK	S74-M3	**55.2**	.	**43.2**	.	**64.4**	.	**62.0**	.	**56.2**	.
Public Variety	Santee	**54.3**	**46.7**	**39.7**	**43.9**	**62.3**	**49.6**	54.3	**53.9**	52.7	**48.5**
Terral-REV®	73A74™	**53.0**	.	33.5	.	**64.8**	.	55.8	.	51.8	.
USG	77S40R	**55.5**	.	**40.9**	.	**61.6**	.	55.0	.	**53.3**	.
Average		54.8	49.0	39.1	41.3	64.7	51.2	56.5	55.5	53.8	49.3
LSD at 10% Level		N.S.	N.S.	4.0	N.S.	N.S.	N.S.	5.6	N.S.	2.8	N.S.
Std. Err. of Entry Mean		2.9	1.8	1.6	3.0	2.7	1.7	2.0	1.6	1.2	1.0

Summary of Dryland Soybean Variety Performance at Four Locations, 2015 (Continued)

1. Yields calculated at 13% moisture.
2. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Regional Summary of Dryland Soybean Variety Performance, 2015

Company or Brand Name	Variety	Yield[1] South[2] 2015	South[2] 2-Year Average	North[3] 2015	North[3] 2-Year Average	Statewide 2015	Statewide 2-Year Average
		bu/acre					
Maturity Group V							
AGSouth	AGS 533 LL	**52.4**	.	**63.8**	.	**55.3**	.
AGSouth	AGS 568RR	**54.7**	42.1	**57.5**	**50.9**	**55.4**	44.3
AGSouth	AGS 5911LL	**53.1**	.	**56.0**	.	**53.8**	.
AR	UA 5612	**54.9**	.	**72.1**	.	**59.2**	.
Bayer	HBK LL4950	**50.6**	.	**65.7**	.	**54.4**	.
Public Variety	Osage	**55.3**	40.9	**67.7**	**57.1**	**58.4**	45.0
SS	5513N R2	**57.6**	.	**64.0**	.	**59.2**	.
SS	5711N R2	**54.8**	.	**70.2**	.	**58.6**	.
Terral-REV®	56R63™	**55.2**	.	**60.0**	.	**56.4**	.
Terral-REV®	57R21™	**54.0**	**44.6**	**60.7**	**54.3**	**55.7**	**47.0**
Average		54.3	42.5	63.8	54.1	56.6	45.4
LSD at 10% Level		N.S.[4]	2.1	N.S.	N.S.	N.S.	1.9
Std. Err. of Entry Mean		1.4	0.8	4.1	2.0	1.4	0.8
Maturity Group VI							
Asgrow	AG6536 GENRR2Y	**50.6**	.	63.7	.	53.9	.
Bayer	CZ 6515 LL	**55.1**	.	59.2	.	56.1	.
Bayer	HBK RY7523	**49.6**	.	63.4	.	53.0	.
Croplan Genetics	R2C6192	**48.3**	.	61.0	.	51.5	.
Dyna-Gro	S65RY73	**51.1**	**41.5**	**72.6**	**64.0**	56.5	**47.1**
NK	S67-R6 Brand	**57.3**	**46.9**	**70.0**	**60.5**	**60.5**	**50.3**
Pioneer	P67T25R2	**51.5**	.	62.4	.	54.2	.
Public Variety	Musen	**52.9**	**46.8**	57.6	**51.2**	54.1	**47.9**
SS	SS 6810N R2	**49.6**	**48.9**	58.4	**56.4**	51.8	**50.8**
TA Seeds	TS6569R2	**50.2**	.	59.2	.	52.5	.
Average		51.6	46	62.8	58	54.4	49
LSD at 10% Level		N.S.	N.S.	7.5	N.S.	3.1	N.S.
Std. Err. of Entry Mean		1.4	1.1	3.1	1.9	1.3	1.0
Maturity Group VII and VIII							
AGSouth	AGS 738 RR	51.9	.	**48.5**	.	51.1	.
AGSouth	AGS 828 RR	50.3	.	**56.4**	.	51.9	.
AGSouth	AGS Woodruff	52.7	**49.5**	**57.9**	**51.3**	54.0	**50.0**
Asgrow	AG7535 GENRR2Y	**55.3**	.	**58.9**	.	**56.2**	.
Bayer	CZ 7070 RY	**55.5**	.	**49.0**	.	53.9	.
Croplan Genetics	R2C7622	**56.1**	.	**59.1**	.	**56.9**	.
NK	S74-M3	**56.6**	.	**55.2**	.	**56.2**	.
Public Variety	Santee	52.1	**49.1**	**54.3**	**46.7**	52.7	**48.5**
Terral-REV®	73A74™	51.4	.	**53.0**	.	51.8	.
USG	77S40R	52.5	.	**55.5**	.	53.3	.
Average		53.4	49.3	54.8	49	53.8	49.3
LSD at 10% Level		3.0	N.S.	N.S.	N.S.	2.8	N.S.
Std. Err. of Entry Mean		1.2	1.3	2.9	1.8	1.2	1.0

Regional Summary of Dryland Soybean Variety Performance, 2015 (Continued)

1. Yields calculated at 13% moisture.
2. Midville, Plains, and Tifton.
3. Griffin.
4. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Tifton, Georgia:
Dryland Soybean Variety Performance, 2015

Company or Brand Name	Variety	2-Year Average Yield	2015 Data						
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
		bu/acre		bu/acre	date	in	rating	gm	rating
Maturity Group V									
Terral-REV®	57R21™	**49.3**	6	**55.7**	09/27	35	2.0	15.4	2.0
AGSouth	AGS 568RR	**45.8**	5	**57.1**	09/26	28	1.3	16.7	1.5
Public Variety	Osage	**41.3**	7	**55.3**	09/28	23	1.0	15.4	1.5
Terral-REV®	56R63™	.	1	**61.9**	09/27	33	1.3	15.9	1.5
SS	5711N R2	.	2	**61.0**	09/28	25	1.3	18.8	1.7
SS	5513N R2	.	3	**60.2**	09/29	34	1.7	16.4	1.5
AR	UA 5612	.	4	**58.3**	09/28	26	1.7	15.1	1.5
AGSouth	AGS 5911LL	.	8	**54.3**	09/26	29	1.0	16.2	1.5
AGSouth	AGS 533 LL	.	9	**53.6**	09/21	39	2.3	14.9	2.2
Bayer	HBK LL4950	.	10	**51.7**	09/22	39	1.7	15.2	1.7
Average		45.5		56.9[4]	09/26	31	1.5	16.0	1.7
LSD at 10% Level		N.S.[5]		N.S.	2	4	0.7	0.6	0.2
Std. Err. of Entry Mean		1.2		2.8	1	2	0.3	0.3	0.1
Maturity Group VI									
SS	SS 6810N R2	**58.5**	2	**57.6**	10/15	37	1.3	16.6	1.8
Public Variety	Musen	**54.2**	6	54.7	10/14	45	1.7	15.4	1.5
NK	S67-R6 Brand	**50.9**	1	**62.7**	10/12	35	1.0	19.0	1.5
Dyna-Gro	S65RY73	**43.2**	8	54.3	10/12	33	1.0	13.3	1.5
Bayer	CZ 6515 LL	.	3	**57.5**	10/17	40	1.0	14.2	1.5
TA Seeds	TS6569R2	.	4	55.5	10/12	35	1.3	15.4	1.5
Asgrow	AG6536 GENRR2Y	.	5	55.2	10/15	35	1.0	16.0	1.5
Pioneer	P67T25R2	.	7	54.5	10/13	41	1.0	16.2	1.5
Bayer	HBK RY7523	.	9	53.3	10/16	35	1.0	15.4	1.8
Croplan Genetics	R2C6192	.	10	42.2	10/14	29	1.0	15.3	2.0
Average		51.7		54.7[6]	10/14	36	1.1	15.7	1.6
LSD at 10% Level		N.S.		6.6	1	2	N.S.	1.0	0.2
Std. Err. of Entry Mean		2.6		2.7	1	1	0.2	0.4	0.1
Maturity Groups VII and VIII									
AGSouth	AGS Woodruff	**57.1**	9	51.2	10/20	43	1.7	16.1	1.0
Public Variety	Santee	**53.9**	8	54.3	10/14	46	2.3	15.9	1.5
NK	S74-M3	.	1	**62.0**	10/15	40	1.3	17.6	1.5
Croplan Genetics	R2C7622	.	2	**61.5**	10/18	45	1.7	15.2	1.5
Bayer	CZ 7070 RY	.	3	**60.1**	10/19	42	1.3	16.0	1.5
Asgrow	AG7535 GENRR2Y	.	4	**58.4**	10/17	39	1.7	17.3	1.5
AGSouth	AGS 738 RR	.	5	**57.0**	10/12	39	1.0	13.7	1.7
Terral-REV®	73A74™	.	6	55.8	10/15	45	2.7	15.0	2.0
USG	77S40R	.	7	55.0	10/18	37	1.0	17.2	1.5
AGSouth	AGS 828 RR	.	10	49.8	10/19	42	3.3	13.9	1.5
Average		55.5		56.5[7]	10/16	42	1.8	15.8	1.5
LSD at 10% Level		N.S.		5.6	.	3	0.7	0.7	0.2
Std. Err. of Entry Mean		1.6		2.0	.	1	0.3	0.3	0.1

Tifton, Georgia:
Dryland Soybean Variety Performance, 2015
(Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. CV = 8.6% and df for EMS = 18.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
6. CV = 8.6% and df for EMS = 18.
7. CV = 6.2% and df for EMS = 18.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted:	May 27, 2015.
Harvested:	Maturity Group V & VI - October 20, 2015. Maturity Groups VII & VIII - November 6, 2015.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Tifton loamy sand.
Soil Test:	P = Very High, K = Low, and pH = 7.0.
Fertilization:	11 lb N, 70 lb P_2O_5, and 120 lb K_2O/acre.
Previous Crop:	Wheat cover.
Management:	Disked, subsoiled/bedded, and rototilled; Prowl, Dual Magnum, Select, Basagran, Classic, Ultra Blazer, and Reflex used for weed control; Blackhawk, Bifenthrin, and Belt used for insect control; Domark used for fungal control; Telone II used for nematode control.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

Plains, Georgia:
Dryland Soybean Variety Performance, 2015

Company or Brand Name	Variety	2-Year Average Yield	2015 Data						
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
		bu/acre		bu/acre	date	in	rating	gm	rating
Maturity Group V									
Terral-REV®	57R21™	**49.2**	6	**68.6**	10/03	41	2.3	13.8	1.8
AGSouth	AGS 568RR	**47.8**	3[T]	**69.6**	09/29	32	1.3	15.2	2.2
Public Variety	Osage	**47.2**	5	**68.7**	09/24	33	1.3	13.8	2.0
SS	5513N R2	.	1	**73.7**	10/02	35	1.3	14.9	2.8
AR	UA 5612	.	2	**70.8**	10/04	34	3.3	13.4	2.8
Terral-REV®	56R63™	.	3[T]	**69.6**	09/27	41	2.0	14.3	2.3
Bayer	HBK LL4950	.	4	**68.9**	09/24	41	2.3	13.4	2.5
AGSouth	AGS 5911LL	.	7	**68.2**	09/30	35	1.7	13.7	2.0
AGSouth	AGS 533 LL	.	8[T]	**68.1**	09/22	42	2.7	13.1	2.5
SS	5711N R2	.	8[T]	**68.1**	09/29	30	1.3	15.3	2.5
Average		48.1		69.4 [4]	09/28	36	2.0	14.1	2.4
LSD at 10% Level		N.S.[5]		N.S.	.	2	0.8	1.3	0.3
Std. Err. of Entry Mean		1.6		2.5	.	1	0.3	0.5	0.1
Maturity Group VI									
Public Variety	Musen	**50.5**	3[T]	**63.9**	10/15	45	3.0	13.4	1.3
NK	S67-R6 Brand	**50.1**	1	**68.3**	10/08	36	1.7	14.2	2.3
Dyna-Gro	S65RY73	**45.2**	5	60.3	10/09	30	1.3	12.3	2.0
SS	SS 6810N R2	**44.1**	9	53.8	10/11	36	2.0	12.8	1.8
Bayer	CZ 6515 LL	.	2	**67.2**	10/19	35	1.0	13.7	1.8
Pioneer	P67T25R2	.	3[T]	**63.9**	10/12	38	1.3	14.0	1.7
Croplan Genetics	R2C6192	.	4	**62.6**	10/08	29	1.7	13.2	1.8
Asgrow	AG6536 GENRR2Y	.	6	58.4	10/08	37	1.0	12.4	1.5
Bayer	HBK RY7523	.	7	58.3	10/11	34	1.3	13.6	1.7
TA Seeds	TS6569R2	.	8	58.2	10/05	35	2.0	13.7	2.0
Average		47.5		61.5 [6]	10/10	35	1.6	13.3	1.8
LSD at 10% Level		N.S.		6.0	.	4	0.6	1.6	0.8
Std. Err. of Entry Mean		1.2		2.4	.	2	0.2	0.6	0.3
Maturity Groups VII and VIII									
AGSouth	AGS Woodruff	**52.8**	2[T]	**66.4**	10/20	39	3.3	16.4	1.3
Public Variety	Santee	**49.6**	8	**62.3**	10/15	44	2.3	13.9	1.0
Asgrow	AG7535 GENRR2Y	.	1	**68.6**	10/16	36	1.7	13.9	1.3
Bayer	CZ 7070 RY	.	2[T]	**66.4**	10/19	37	1.3	13.1	1.8
Croplan Genetics	R2C7622	.	3	**65.2**	10/20	41	2.7	12.3	1.5
Terral-REV®	73A74™	.	4	**64.8**	10/15	37	3.7	13.2	1.2
NK	S74-M3	.	5	**64.4**	10/12	35	1.7	14.4	1.5
AGSouth	AGS 828 RR	.	6	**64.1**	10/20	39	3.3	13.5	1.0
AGSouth	AGS 738 RR	.	7	**63.0**	10/09	35	1.7	11.7	1.5
USG	77S40R	.	9	**61.6**	10/16	34	1.7	14.0	1.3
Average		51.2		64.7 [7]	10/16	38	2.3	13.6	1.4
LSD at 10% Level		N.S.		N.S.	.	3	0.7	1.0	N.S.
Std. Err. of Entry Mean		1.7		2.7	.	1	0.3	0.4	0.2

Plains, Georgia:
Dryland Soybean Variety Performance, 2015
(Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. CV = 6.4% and df for EMS = 18.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
6. CV = 6.9% and df for EMS = 18.
7. CV = 7.2% and df for EMS = 18.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted:	June 3, 2015.
Harvested:	October 29, 2015.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Greenville sandy clay loam.
Soil Test:	P = High, K = Very High, and pH = 6.4.
Fertilization:	0 lb N, 20 lb P_2O_5, and 60 lb K_2O/acre.
Previous Crop:	Cotton.
Management:	Disked twice, subsoiled, and rototilled; Prowl, Reflex, and Blazer used for weed control; Indigo and Belt used for insect control; Domark used for fungal control.

Test conducted by D. Dunn,D. Pearce, W. Jones, R. Brooke, B. McCranie, and G. South.

Midville, Georgia:
Dryland Soybean Variety Performance, 2015

Company or Brand Name	Variety	2-Year Average Yield	2015 Data						
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
		bu/acre		bu/acre	date	in	rating	gm	rating
Maturity Group V									
Terral-REV®	57R21™	**35.2**	3	37.7	10/02	41	3.0	16.1	2.3
Public Variety	Osage	**34.1**	1	**42.0**	10/01	26	1.3	16.6	2.5
AGSouth	AGS 568RR	**32.7**	4	37.2	10/02	32	2.0	17.9	2.3
SS	5513N R2	.	2	**38.9**	09/30	33	2.7	16.8	2.7
AGSouth	AGS 5911LL	.	5	36.9	10/04	32	2.0	17.0	2.0
AR	UA 5612	.	6	35.8	10/02	33	3.0	15.9	2.3
AGSouth	AGS 533 LL	.	7	35.4	09/30	33	1.0	16.0	3.2
SS	5711N R2	.	8	35.3	09/30	30	2.3	18.5	2.3
Terral-REV®	56R63™	.	9	34.1	10/04	35	2.7	17.8	2.7
Bayer	HBK LL4950	.	10	31.3	09/26	30	1.0	15.7	3.2
Average		34.0		36.5[4]	10/01	32	2.1	16.8	2.6
LSD at 10% Level		N.S.[5]		4.0	.	3	0.5	0.8	0.4
Std. Err. of Entry Mean		1.5		1.6	.	1	0.2	0.3	0.2
Maturity Group VI									
SS	SS 6810N R2	**44.0**	6	**37.5**	10/22	34	1.0	19.3	2.0
NK	S67-R6 Brand	**39.9**	1	**40.8**	10/06	32	1.0	18.0	2.3
Dyna-Gro	S65RY73	**36.0**	4	**38.5**	10/14	33	1.0	16.5	1.8
Public Variety	Musen	**35.8**	3[T]	**40.2**	10/21	36	2.0	20.0	1.7
Bayer	CZ 6515 LL	.	2	**40.6**	10/22	35	1.7	18.4	2.0
Croplan Genetics	R2C6192	.	3[T]	**40.2**	10/12	29	1.0	16.9	2.0
Asgrow	AG6536 GENRR2Y	.	5	**38.2**	10/22	32	1.0	18.9	1.8
Bayer	HBK RY7523	.	7	**37.1**	10/23	31	1.0	17.7	2.0
TA Seeds	TS6569R2	.	8	**37.0**	10/06	30	1.3	17.4	2.2
Pioneer	P67T25R2	.	9	**36.2**	10/21	33	1.0	19.0	1.8
Average		38.9		38.6[6]	10/16	32	1.2	18.2	2.0
LSD at 10% Level		N.S.		N.S.	.	2	0.4	1.6	0.6
Std. Err. of Entry Mean		1.7		2.3	.	1	0.2	0.6	0.3
Maturity Groups VII and VIII									
Public Variety	Santee	**43.9**	6	**39.7**	10/24	37	1.3	.	.
AGSouth	AGS Woodruff	**38.8**	4	**40.4**	10/26	37	1.7	.	.
NK	S74-M3	.	1	**43.2**	10/24	31	1.0	.	.
Croplan Genetics	R2C7622	.	2	**41.6**	10/24	35	1.0	.	.
USG	77S40R	.	3	**40.9**	10/24	27	1.0	.	.
Bayer	CZ 7070 RY	.	5	**40.2**	10/23	33	1.0	.	.
Asgrow	AG7535 GENRR2Y	.	7	38.7	10/23	29	1.0	.	.
AGSouth	AGS 828 RR	.	8	37.1	10/25	31	1.0	.	.
AGSouth	AGS 738 RR	.	9	35.7	10/23	29	1.0	.	.
Terral-REV®	73A74™	.	10	33.5	10/22	38	1.0	.	.
Average		41.3		39.1[7]	10/23	33	1.1	.	.
LSD at 10% Level		N.S.		4.0	.	2	0.4	.	.
Std. Err. of Entry Mean		3.0		1.6	.	1	0.2	.	.

Midville, Georgia:
Dryland Soybean Variety Performance, 2015
(Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. CV = 7.7% and df for EMS = 18.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
6. CV = 10.2% and df for EMS = 18.
7. CV = 7.3% and df for EMS = 18.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted:	May 29, 2015.
Harvested:	Maturity Group V & VI - October 22, 2015. Maturity Groups VII & VIII - November 16, 2015.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Dothan loamy sand.
Soil Test:	P = Medium, K = Medium, and pH = 6.0.
Fertilization:	30 lb N, 30 lb P_2O_5, and 90 lb K_2O/acre.
Previous Crop:	Grain sorghum.
Management:	Disked, field conditioned, and subsoiled/bedded; Pendimethalin, Reflex, Dual, and Warrant used for weed control; Toombstone, Bifenthrin, Dimilin, Tracer, Radiant, and Doubletake used for insect control; Priaxor used for fungal control; Telone II used for nematode control.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

Griffin, Georgia:
Dryland Soybean Variety Performance, 2015

Company or Brand Name	Variety	2-Year Average Yield	2015 Data							
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]	Shatt.[4]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group V										
Public Variety	Osage	**57.1**	3	**67.7**	10/06	29	1.0	15.3	1.8	1.0
Terral-REV®	57R21™	**54.3**	7	**60.7**	10/05	39	2.3	16.5	1.8	1.0
AGSouth	AGS 568RR	**50.9**	9	**57.5**	10/06	32	1.0	17.4	1.5	1.0
AR	UA 5612	.	1	**72.1**	10/06	33	2.0	16.0	1.5	1.0
SS	5711N R2	.	2	**70.2**	10/07	32	1.0	19.2	1.7	1.0
Bayer	HBK LL4950	.	4	**65.7**	10/04	37	1.2	15.2	2.7	1.0
SS	5513N R2	.	5	**64.0**	10/09	35	1.2	16.9	1.8	1.0
AGSouth	AGS 533 LL	.	6	**63.8**	10/06	35	1.0	15.2	2.5	1.0
Terral-REV®	56R63™	.	8	**60.0**	10/04	37	2.0	16.9	1.8	1.0
AGSouth	AGS 5911LL	.	10	**56.0**	10/03	32	1.0	15.4	1.5	1.0
Average		54.1		63.8 [5]	10/05	34	1.4	16.4	1.9	1.0
LSD at 10% Level		N.S.[6]		N.S.	N.S.	3	0.3	1.0	0.4	.
Std. Err. of Entry Mean		2.0		4.1	2	1	0.1	0.4	0.1	.
Maturity Group VI										
Dyna-Gro	S65RY73	**64.0**	1	**72.6**	10/15	32	1.3	14.6	1.7	1.0
NK	S67-R6 Brand	**60.5**	2	**70.0**	10/15	38	1.3	17.1	1.5	1.0
SS	SS 6810N R2	**56.4**	8	58.4	10/18	36	1.0	15.3	1.5	1.0
Public Variety	Musen	**51.2**	9	57.6	10/31	38	1.7	15.3	1.5	1.0
Asgrow	AG6536 GENRR2Y	.	3	63.7	10/18	34	1.0	16.5	1.5	1.0
Bayer	HBK RY7523	.	4	63.4	10/21	32	1.0	16.4	2.0	1.0
Pioneer	P67T25R2	.	5	62.4	10/17	35	1.0	17.0	1.5	1.0
Croplan Genetics	R2C6192	.	6	61.0	10/19	27	1.0	14.2	2.2	1.0
Bayer	CZ 6515 LL	.	7[T]	59.2	10/31	34	1.0	16.4	1.7	1.0
TA Seeds	TS6569R2	.	7[T]	59.2	10/14	33	1.0	16.2	1.8	1.0
Average		58.0		62.8 [7]	10/20	34	1.1	15.9	1.7	1.0
LSD at 10% Level		N.S.		7.5	11	4	N.S.	1.3	0.3	.
Std. Err. of Entry Mean		1.9		3.1	4	2	0.2	0.5	0.1	.
Maturity Group VII and VIII										
AGSouth	AGS Woodruff	**51.3**	3	**57.9**	11/03	36	2.7	16.9	2.7	1.7
Public Variety	Santee	**46.7**	7	**54.3**	10/30	34	1.7	15.7	3.0	1.0
Croplan Genetics	R2C7622	.	1	**59.1**	11/07	35	1.0	14.5	3.2	1.0
Asgrow	AG7535 GENRR2Y	.	2	**58.9**	11/02	28	1.0	16.7	2.7	1.0
AGSouth	AGS 828 RR	.	4	**56.4**	11/06	29	1.3	15.0	2.8	1.0
USG	77S40R	.	5	**55.5**	11/04	27	1.0	16.6	3.0	1.3
NK	S74-M3	.	6	**55.2**	11/03	30	1.3	17.5	2.8	1.0
Terral-REV®	73A74™	.	8	**53.0**	10/28	33	2.0	15.1	2.1	1.0
Bayer	CZ 7070 RY	.	9	**49.0**	10/28	30	1.0	14.2	2.3	1.3
AGSouth	AGS 738 RR	.	10	**48.5**	10/26	27	1.0	13.3	2.8	1.0
Average		49.0		54.8 [8]	11/01	31	1.4	15.6	2.7	1.1
LSD at 10% Level		N.S.		N.S.	3	3	0.7	0.6	0.5	N.S.
Std. Err. of Entry Mean		1.8		2.9	1	1	0.3	0.2	0.2	0.2

Griffin, Georgia:
Dryland Soybean Variety Performance, 2015
(Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 11.0% and df for EMS = 18.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
7. CV = 8.5% and df for EMS = 18.
8. CV = 9.3% and df for EMS = 18.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted:	Maturity Group V & VI - June 3, 2015. Maturity Group VII & VIII - June 29, 2015.
Harvested:	Maturity Group V - October 21, 2015. Maturity Group VI - October 30, 2015. Maturity Group VII & VIII - November 17, 2015.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Cecil clay loam.
Soil Test:	P = Medium, K = High, and pH = 6.9.
Fertilization:	30 lb N, 60 lb P_2O_5, and 90 lb K_2O/acre.
Previous Crop:	Corn.
Management:	Chisel plowed, disked, and rototilled; Treflan and one cultivation for weed control; Classic and Blazer used for insect control; Karate used for insect control.

Test conducted by H. Jordan and G. Ware.

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2015

Company or Brand Name	Variety	Root-knot nematode			Cyst nematode	
		Southern[1]	Peanut[2]	Javanese[3]	Race 3[4]	Race 9[5]
			rating[6]		reaction[7]	
AGSouth	AGS 533 LL	4.0	3.8	2.3	R	R
AGSouth	AGS 568RR	1.0	2.3	5.0	R	R
AGSouth	AGS 5911LL	1.0	2.0	1.3	S	S
AGSouth	AGS Woodruff	1.0	4.3	4.8	R	S
AGSouth	AGS 674 LL	1.0	1.0	1.3	R	S
AGSouth	AGS 738 RR	1.0	1.8	4.8	R	S
AGSouth	AGS 757 RR	1.0	2.3	1.0	S	S
AGSouth	AGS 807	1.0	4.3	2.0	S	S
AGSouth	AGS 828 RR	1.0	2.5	4.8	R	R
AR	R09-430	1.3	4.5	4.0	R	S
AR	R10-197RY	5.0	4.8	5.0	R	R
AR	UA 5213C	5.0	4.3	4.8	R	R
AR	UA 5414RR	5.0	4.5	5.0	S	S
AR	UA 5612	5.0	4.8	4.3	S	S
AR	UA 5814HP	5.0	4.8	4.8	S	S
Asgrow	AG6536 GENRR2Y	4.0	4.5	4.3	S	S
Asgrow	AG7535 GENRR2Y	1.3	5.0	5.0	S	S
Bayer	CZ 4959 RY	1.0	5.0	1.0	R	R
Bayer	CZ 5515 LL	1.0	4.5	1.0	R	S
Bayer	CZ 5727 LL	1.0	3.3	1.0	R	R
Bayer	CZ 5947 LL	1.0	1.0	1.0	R	R
Bayer	CZ 6060 RY	1.0	4.0	1.0	R	R
Bayer	CZ 6109 LL	1.0	2.8	1.0	R	R
Bayer	CZ 6316 LL	1.0	2.3	1.0	R	R
Bayer	CZ 6515 LL	1.0	2.0	1.0	R	S
Bayer	CZ 7007 LL	1.3	2.5	1.0	R	R
Bayer	CZ 7070 RY	1.0	2.0	1.0	R	R
Bayer	CZ 7132 LL	1.0	1.5	1.0	R	R
Bayer	HBK LL4950	1.0	2.0	1.0	R	R
Bayer	HBK RY5221	4.5	5.0	4.5	S	S
Bayer	HBK RY7523	2.3	3.0	4.8	R	R
Croplan Genetics	5R2C56	2.3	4.8	5.0	R	S
Croplan Genetics	5R2T65	5.0	5.0	5.0	S	S
Croplan Genetics	R2C5673	4.3	5.0	5.0	R	R
Croplan Genetics	R2C6192	1.0	3.3	4.3	S	S
Croplan Genetics	R2C6764	1.3	3.3	5.0	S	S
Croplan Genetics	R2C7622	3.0	4.3	4.3	R	S
Dyna-Gro	39RY57	1.3	5.0	4.5	S	S
Dyna-Gro	S56RY84	5.0	4.8	4.8	R	S
Dyna-Gro	S65RY73	2.3	4.0	3.8	R	R

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2015 (Continued)

Company or Brand Name	Variety	Root-knot nematode			Cyst nematode	
		Southern[1]	Peanut[2]	Javanese[3]	Race 3[4]	Race 9[5]
			rating[6]		reaction[7]	
Dyna-Gro	S67RY25	1.0	4.5	5.0	S	S
Dyna-Gro	S72RS36	4.8	4.5	4.5	S	S
Dyna-Gro	S74RY15	1.3	2.8	3.0	S	S
Dyna-Gro	S77RY85	5.0	5.0	3.0	S	S
Meherrin	SH 6215 LL	5.0	4.8	5.0	M	R
Meherrin	SH 6515 LL	5.0	4.8	2.5	S	S
Meherrin	SH 6815 LL	5.0	5.0	2.5	S	S
Meherrin	SH 7116 LL	5.0	3.8	5.0	S	S
NK	S52-Y2 Brand	1.0	1.5	2.0	R	R
NK	S53-A1	1.0	2.5	1.0	R	R
NK	S58-Z4	1.0	3.3	3.0	S	S
NK	S67-R6 Brand	1.0	3.8	5.0	R	R
NK	S73-S8	1.0	1.3	1.0	R	R
NK	S74-M3	1.0	1.8	2.3	S	S
Pioneer	P52T50R	5.0	5.0	4.0	R	R
Pioneer	P54T94R	1.0	5.0	5.0	R	M
Pioneer	P56T12SR	1.8	5.0	4.0	R	R
Pioneer	P67T25R2	3.8	5.0	5.0	S	S
Pioneer	P76T54R2	1.3	5.0	5.0	S	S
Public Variety (AR)	OSAGE	5.0	5.0	4.0	S	S
Public Variety (GA)	Cook	3.3	4.8	5.0	S	S
Public Variety (SC)	Cheraw	1.3	5.0	5.0	R	S
Public Variety (SC)	Maxcy	1.5	4.8	5.0	R	S
Public Variety (SC)	Musen	1.3	5.0	5.0	R	R
Public Variety (SC)	Paul	1.3	5.0	5.0	S	S
Public Variety (SC)	Santee	1.3	5.0	5.0	R	S
SC	SC06-291RR	1.0	4.8	5.0	R	R
SC	SC06-301RR	1.0	4.8	5.0	R	R
SC	SC07-108RR	1.0	5.0	4.5	R	R
SC	SC07-1490RR	1.0	4.3	4.8	R	S
SC	SC07-1518RR	1.3	5.0	4.8	R	S
SC	SC09-092RR	1.5	4.8	4.3	R	S
SS	5513N R2	5.0	5.0	5.0	R	R
SS	5711N R2	1.0	4.3	5.0	S	S
SS	LL 5914NS	5.0	4.8	3.8	R	S
SS	LL 6314S	5.0	4.5	5.0	R	S
SS	SS 5511N R2	1.8	4.3	4.0	S	S
SS	SS 5615N R2	1.8	4.8	5.0	R	S
SS	SS 6315 R2	2.3	4.8	5.0	S	S
SS	SS 6810N R2	1.3	4.8	3.8	S	S

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2015 (Continued)

Company or Brand Name	Variety	Root-knot nematode			Cyst nematode	
		Southern[1]	Peanut[2]	Javanese[3]	Race 3[4]	Race 9[5]
			rating[6]		reaction[7]	
SS	SS 7215NS R2	3.8	4.8	4.8	S	S
TA Seeds	TS6569R2	2.0	4.8	5.0	S	S
TA Seeds	TS8059R2	2.8	5.0	4.3	S	S
Terral-REV®	55R53™	5.0	3.8	5.0	R	R
Terral-REV®	56R63™	2.0	5.0	5.0	R	S
Terral-REV®	57R21™	4.5	4.8	4.5	S	S
Terral-REV®	73A74™	2.0	5.0	5.0	R	S
UGA	G00-3213	1.3	2.5	4.5	R	S
UGA	G00-3880	1.0	3.0	3.0	R	S
UGA	G10PR-56444R2	1.0	3.5	2.0	S	S
UGA	G11PR-209R2	1.3	4.3	2.0	R	R
UGA	G11PR-407R2	1.0	4.0	1.5	R	S
UGA	G11PR-56151R2	1.0	4.3	4.8	R	S
UGA	G11PR-56238R2	1.0	4.5	1.0	R	R
UGA	G13LL-44	2.3	4.5	3.8	R	S
UGA	G13LL-5	1.3	4.8	2.0	M	S
UGA	G13LL-56	1.8	5.0	4.8	R	S
UGA	G13LL-7	1.0	4.5	4.0	R	S
University of MO	S11-16653	1.0	4.8	4.0	R	S
University of MO	S11-17025	2.5	4.8	5.0	R	R
University of MO	S11-20124	1.0	4.3	1.5	R	S
University of MO	S11-20195	1.5	4.3	3.8	R	R
University of MO	S11-20337	1.0	4.5	4.8	R	R
USDA-ARS	JTN-5110	5.0	5.0	4.5	S	S
USG	75J90R	2.3	4.0	4.8	S	S
USG	76J45R	3.3	4.5	5.0	S	S
USG	76S73R	3.0	4.3	5.0	S	S
USG	77J25RS	3.3	5.0	5.0	S	S
USG	77S40R	1.3	4.3	4.5	S	S
USG	78S04R	2.5	4.5	3.8	S	S
Check Varieties	AGS Benning	1.0	5.0	4.0	R	S
	Boggs	1.0	1.8	1.3	R	S
	Bossier	5.0	5.0	2.5	S	S
	CNS	5.0	5.0	5.0	S	S
	G93-9009	1.0	1.0	1.0	R	R
	G93-9106	1.0	1.0	1.0	R	R
	GaSoy17	5.0	5.0	5.0	S	S
	Hagood	1.5	4.5	5.0	R	S
	Hartwig	1.3	4.3	5.0	R	R
	Haskell	1.3	2.3	2.8	S	S
	Prichard	1.0	4.3	5.0	R	R
LSD (0.10)		0.7	0.7	0.9		

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2015 (Continued)

1. Meloidogyne incognita
2. Meloidogyne arenaria
3. Meloidogyne javanica
4. The cyst indices on the differentials were: Peking = 0(-), Pickett = 0(-), PI88788 = 0(-), PI90763 = 0(-)
5. The cyst indices on the differentials were: Peking = 122(+), Pickett = 95(+), PI88788 = 4(-), PI90763 = 9(-)
6. Rating: 1 = (few galls) to 5 = (many galls).
7. Reaction: R = Resistant (generally < 3 white females or cysts per plant).
   S = Susceptible (generally > 3 white females or cysts per plant).
   M = Mixed reaction.

Ratings for Soybean Cyst Nematode and Root-knot Nematode provided by S.L. Finnerty, J.P. Noe, G.E. Bishop, E.D. Wood, and Zenglu Li.

Sources of Seed for the 2015 Soybean Variety Tests

Brand or Variety Name	Company and Address
AGSouth	AGSouth Genetics, LLC, PO Box 72246, Albany, GA 31708-2246.
AR	University of Arkansas, 115 Plant Science Bldg., Fayetteville, AR 72701.
Asgrow	Monsanto Company, 800 North Lindbergh Blvd., St. Louis, MO 63167.
Bayer	Bayer CropScience, 607 East 44th Street, Tifton, GA 31794.
Croplan Genetics	Winfield Solutions, LLC, 2281 County Road 33, Killen, AL 35645.
Dyna-Gro	CPS Dyna-Gro Seed, 114 W. 12th Street, Suite D, Tifton, GA 31974.
Meherrin	Meherrin, 4020 Wake Forrest Rd., Suite 110, Raleigh, NC 27609.
NK	Syngenta Seeds, Inc., 207 Leland Ferrell Dr., Leesburg, GA 31763.
Pioneer	Dupont Pioneer, 59 Greif Parkway, Suite 200, Delaware, OH 43015.
SC	Clemson University, Pee Dee REC, 2200 Pocket Road, Florence, SC 29506.
SS	Southern States Coop, 6606 West Broad Street, Richmond, VA 23230.
TA Seeds	T.A. Seeds, 39 Seeds Lane, Jersey Shore, PA 17740.
Terral-REV®	Terral Seed, Inc., 111 Ellington Drive, Rayville, LA 71269.
UGA	University of Georgia, CAGT, 111 Riverbend Road, Athens, GA 30602.
USDA-ARS	USDA-ARS, 605 Airways Blvd., Jackson, TN 38301.
USG	UniSouth Genetics, Inc., 3205-C Hwy 49 South, Dickson, TN 37055.
University of MO	University of Missouri, PO Box 160, Portageville, MO 63873.
Public Varieties	
Cook	Georgia Seed Development Commission, 2420 S. Milledge Avenue, Athens, GA 30605.
Cheraw, Maxcy, Musen, Paul, Santee	South Carolina Crop Improvement Association, 1162 Old Cherry Road, Clemson, SC 29634.
Osage	University of Arkansas, 115 Plant Science Bldg., Fayetteville, AR 72701.

GRAIN SORGHUM

Tifton, Georgia:
Grain Sorghum Hybrid Performance, 2015, Nonirrigated

Company or Brand Name	Hybrid	Yield[1]	2-Year Average Yield	Test Wt.	50% Bloom[2]	Plant Ht.	Lodging	Disease[3]
		bu/acre	bu/acre	lb/bu	days	in	%	rating
Dyna-Gro	GX13231	**74.8**	**86.5**	48.6	63	45	1	2.5
Pioneer	83P17	**71.1**	**81.2**	44.5	70	51	0	1.8
Pioneer	84P80	**70.3**	**96.2**	48.3	66	39	1	2.8
Alta Seeds	AG3201	**68.7**	.	46.7	62	46	1	2.5
Athens	103	**66.5**	**79.9**	44.3	74	55	1	1.8
SS	SS 655	**62.8**	**78.3**	50.2	62	42	2	2.8
Alta Seeds	AG1203	62.6	.	46.1	66	46	1	2.5
Dyna-Gro	M77GR61	61.7	**70.2**	45.6	69	53	1	2.5
Dyna-Gro	M75GR47	61.3	.	44.6	64	44	1	1.5
SS	SS 540	60.5	.	50.2	63	45	1	1.3
Cedek	SB 8144	59.1	.	47.9	58	37	0	1.8
Athens	104	59.0	**56.5**	49.6	70	52	1	2.3
Alta Seeds	AG2105	58.5	.	47.9	64	46	2	2.0
SS	SS 800	56.4	**65.6**	46.8	63	41	2	3.3
Alta Seeds	AG2103	56.3	.	49.9	62	44	5	3.3
Alta Seeds	AG3101	54.7	.	49.7	62	45	7	3.5
Gayland Ward	GW 9417	52.3	**70.9**	48.2	64	52	2	2.3
DeKalb	DKS53-53	51.9	**82.0**	44.1	67	48	3	2.8
Dyna-Gro	M77GB52	48.6	**63.9**	48.8	66	47	1	1.3
Gayland Ward	GW 1160	46.9	**76.8**	47.3	65	44	1	2.0
Cedek	SB 7144	46.4	.	44.6	61	36	4	2.8
Cedek	SB 5874	34.9	.	43.2	63	39	3	2.8
Average		58.4 [4]	75.7	47.1	65	45	2	2.3
LSD at 10% Level		12.1	N.S.[5]	3.0	2	4	3	0.6
Std. Err. of Entry Mean		5.1	6.1	1.3	1	2	1	0.3

1. Yields calculated at 14% moisture.
2. Days from planting to 50% bloom.
3. Rated 1 = resistant to 5 = susceptible to foliar diseases.
4. CV = 17.5% and df for EMS = 63.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: April 23, 2015.
Harvested: August 19, 2015.
Seeding Rate: 100,000 seed/acre in 30" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = High, K = High, and pH = 5.9.
Fertilization: Preplant: 65 lb N, 50 lb P_2O_5, and 155 lb K_2O/acre. Sidedress: 140 lb N/acre.
Previous Crop: Corn.
Management: Disked, subsoiled and bedded, and rototilled; Roundup used for burn down; Dual Magnum, Atrazine, Prowl, and Layby Gramoxone used for weed control; Transform and Sivanto used for insect control.

Test conducted by R. Brooke, D. Dunn, B. McCranie, and G. South.

Tifton, Georgia: Late-Planted Grain Sorghum Hybrid Performance, 2015, Nonirrigated

Company or Brand Name	Hybrid	Yield[1]	2-Year Average Yield	Test Wt.	50% Bloom[2]	Plant Ht.	Lodging	Disease[3]
		bu/acre	bu/acre	lb/bu	days	in	%	rating
Dyna-Gro	M75GR47	**105.2**	.	55.2	55	57	0	1.8
Pioneer	83P17	**97.0**	**93.4**	56.7	56	63	0	2.0
Athens	101	**96.1**	**77.0**	61.5	54	58	0	1.8
Alta Seeds	AG2105	**94.4**	.	58.4	54	62	0	2.0
SS	SS 540	**94.4**	.	62.0	53	56	0	1.5
Dyna-Gro	M77GB52	84.7	**93.8**	58.0	53	59	0	1.5
Pioneer	84P80	74.2	**92.6**	55.4	54	61	0	2.8
SS	SS 800	69.8	**81.5**	53.0	50	56	3	3.0
Gayland Ward	GW 9417	65.1	**76.6**	55.4	54	66	2	2.8
Alta Seeds	AG3201	64.1	.	52.3	51	59	21	3.5
Athens	102	60.0	**69.1**	47.7	61	62	1	2.5
Alta Seeds	AG3101	58.2	.	52.2	51	65	9	3.3
Dyna-Gro	M77GR61	56.1	**70.6**	48.5	62	63	0	2.0
Alta Seeds	AG1203	53.3	.	44.0	55	61	1	3.0
Cedek	SB 7144	47.7	.	48.6	50	49	2	2.8
Dyna-Gro	GX13231	45.5	**60.4**	41.4	55	60	1	2.8
Cedek	SB 8144	43.9	.	49.2	49	48	4	2.8
SS	SS 655	41.6	**62.0**	53.4	53	58	5	3.0
Gayland Ward	GW 1160	38.9	**65.5**	47.5	55	54	1	2.0
Cedek	SB 5874	38.5	.	46.3	51	51	8	3.3
Alta Seeds	AG2103	32.8	.	46.1	54	54	9	3.3
Average		64.8[4]	76.6	52	54	58	3	2.5
LSD at 10% Level		13.4	N.S.[5]	3.1	2	2	5	0.6
Std. Err. of Entry Mean		5.6	4.8	1.3	1	1	2	0.2

1. Yields calculated at 14% moisture.
2. Days from planting to 50% bloom.
3. Rated 1 = resistant to 5 = susceptible to foliar diseases.
4. CV = 17.4% and df for EMS = 60.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: June 16, 2015.
Harvested: September 18, 2015.
Seeding Rate: 100,000 seed/acre in 30" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = High, K = High, and pH = 5.9.
Fertilization: Preplant: 65 lb N, 50 lb P_2O_5, and 155 lb K_2O/acre. Sidedress: 50 lb N/acre.
Previous Crop: Wheat.
Management: Disked, subsoiled and bedded, and rototilled; Roundup used for burn down; Dual Magnum, Atrazine, Prowl, and Layby Gramoxone used for weed control; Transform and Sivanto used for insect control.

Test conducted by R. Brooke, D. Dunn, B. McCranie, and G. South.

Plains, Georgia:
Grain Sorghum Hybrid Performance, 2015, Nonirrigated

Company or Brand Name	Hybrid	Yield[1]	2-Year Average Yield	Test Wt.	50% Bloom[2]	Plant Ht.	Lodging	Disease[3]
		bu/acre	bu/acre	lb/bu	days	in	%	rating
Pioneer	84P80	**91.1**	**78.3**	55.8	59	52	0	2.5
Alta Seeds	AG2103	**88.2**	.	56.5	58	49	0	3.0
Pioneer	83P17	**85.5**	**75.0**	50.5	63	55	0	1.8
Alta Seeds	AG3201	**84.4**	.	52.7	59	54	0	2.5
DeKalb	DKS53-53	**82.5**	**75.8**	53.7	58	53	0	3.0
Alta Seeds	AG2105	78.9	.	54.9	57	52	0	2.3
SS	SS 655	78.4	67.1	54.6	58	46	0	3.0
Dyna-Gro	M77GB52	77.8	**72.4**	54.6	60	50	0	2.0
Dyna-Gro	GX13231	77.8	69.0	53.7	57	48	0	3.5
Alta Seeds	AG1203	77.2	.	53.2	56	50	0	3.3
SS	SS 800	76.0	**71.2**	53.3	58	53	0	2.0
Alta Seeds	AG3101	75.7	.	55.7	58	58	0	2.3
Gayland Ward	GW 9417	71.8	62.3	54.6	61	56	0	2.0
Dyna-Gro	M75GR47	71.2	.	52.2	57	50	0	2.5
SS	SS 540	70.1	.	55.0	60	53	0	2.0
Cedek	SB 7144	69.1	.	49.1	52	44	0	3.0
Athens	104	69.0	68.4	53.8	62	55	0	2.3
Athens	103	66.2	53.4	50.4	65	59	0	1.5
Dyna-Gro	M77GR61	63.6	67.1	48.8	64	57	0	2.5
Cedek	SB 8144	57.9	.	51.4	52	44	0	2.8
Gayland Ward	GW 1160	56.9	58.0	50.7	60	51	0	2.0
Cedek	SB 5874	55.9	.	49.3	55	49	0	3.0
Average		73.9 [4]	68.2	52.9	58	52	0	2.5
LSD at 10% Level		9.2	7.5	1.4	1	3	0	0.5
Std. Err. of Entry Mean		3.9	3.2	0.6	1	1	0	0.2

1. Yields calculated at 14% moisture.
2. Days from planting to 50% bloom.
3. Rated 1 = resistant to 5 = susceptible to foliar diseases.
4. CV = 10.6% and df for EMS = 63.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: May 7, 2015.
Harvested: August 25, 2015.
Seeding Rate: 100,000 seed/acre in 30" rows.
Soil Type: Greenville sandy clay loam.
Soil Test: P = Medium, K = High, and pH = 6.4.
Fertilization: Preplant: 0 lb N, 20 lb P_2O_5, and 60 lb K_2O/acre. Sidedress: 55 lb N/acre.
Previous Crop: Wheat.
Management: Disked twice, chisel plowed, and rototilled; Dual Magnum and Atrazine used for weed control; Sivanto used for insect control.

Test conducted by A. Coy, D. Pearce, W. Jones, R. Brooke, D. Dunn, B. McCranie, and G. South.

Plains, Georgia: Late-Planted Grain Sorghum Hybrid Performance, 2015, Nonirrigated

Company or Brand Name	Hybrid	Yield[1]	2-Year Average Yield	Test Wt.	50% Bloom[2]	Plant Ht.	Lodging	Disease[3]
		bu/acre	bu/acre	lb/bu	days	in	%	rating
Pioneer	83P17	**70.5**	**61.1**	54.7	56	56	0	2.5
SS	SS 540	**66.6**	.	62.7	55	51	0	1.9
SS	SS 800	**60.5**	**54.5**	54.7	50	49	0	2.8
Athens	101	59.6	**49.7**	63.4	57	47	0	1.5
Pioneer	84P80	58.1	**49.6**	55.5	55	51	0	3.0
Dyna-Gro	M77GB52	57.5	**49.8**	63.2	55	50	0	1.5
Dyna-Gro	M77GR61	54.7	**50.7**	51.6	58	53	0	2.5
Gayland Ward	GW 9417	49.5	**44.4**	55.4	54	57	1	2.5
Alta Seeds	AG3101	47.0	.	50.4	52	55	0	3.0
Alta Seeds	AG3201	44.9	.	51.6	51	49	0	3.0
Athens	102	43.1	**43.4**	50.7	57	52	1	2.5
Dyna-Gro	GX13231	43.0	**43.7**	43.0	55	52	0	3.0
Alta Seeds	AG2105	41.6	.	53.8	56	53	1	2.8
Gayland Ward	GW 1160	41.0	**37.5**	47.9	55	49	0	2.5
Dyna-Gro	M75GR47	40.8	.	53.0	54	48	0	2.3
Alta Seeds	AG1203	40.1	.	48.9	57	56	0	2.8
Cedek	SB 7144	38.6	.	46.4	48	44	0	2.8
Cedek	SB 5874	34.4	.	45.4	51	44	0	3.0
SS	SS 655	34.0	**40.9**	53.6	53	47	3	3.0
Alta Seeds	AG2103	31.8	.	54.8	55	46	1	3.0
Cedek	SB 8144	30.9	.	51.9	47	39	0	2.8
Average		47.1[4]	47.8	53	54	50	0	2.6
LSD at 10% Level		10.5	N.S.[5]	5.4	2	4	N.S.	0.5
Std. Err. of Entry Mean		4.5	3.1	2.3	1	2	1	0.2

1. Yields calculated at 14% moisture.
2. Days from planting to 50% bloom.
3. Rated 1 = resistant to 5 = susceptible to foliar diseases.
4. CV = 19.0% and df for EMS = 60.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: June 15, 2015.
Harvested: September 21, 2015.
Seeding Rate: 100,000 seed/acre in 30" rows.
Soil Type: Greenville sandy clay loam.
Soil Test: P = Medium, K = High, and pH = 6.4.
Fertilization: Preplant: 0 lb N, 20 lb P_2O_5, and 60 lb K_2O/acre. Sidedress: 55 lb N/acre.
Previous Crop: Wheat.
Management: Disked twice, chisel plowed, and rototilled; Dual Magnum and Atrazine used for weed control; Sivanto used for insect control.

Test conducted by A. Coy, D. Pearce, W. Jones, R. Brooke, D. Dunn, B. McCranie, and G. South.

Griffin, Georgia:
Grain Sorghum Hybrid Performance, 2015, Nonirrigated

Company or Brand Name	Hybrid	Yield[1]	2-Year Average Yield	Test Wt.	50% Bloom[2]	Plant Ht.	Lodging	Bird Damage[3]
		bu/acre	bu/acre	lb/bu	days	in	%	%
Alta Seeds	AG3101	**117.9**	.	58.4	58	63	3	.
Dyna-Gro	M77GB52	**113.2**	**84.8**	54.8	58	55	88	.
Alta Seeds	AG2105	**111.4**	.	44.3	58	58	.	5
Gayland Ward	GW 9417	**110.9**	**96.6**	56.5	59	60	.	1
Alta Seeds	AG1203	**106.1**	.	54.4	59	52	5	5
Pioneer	83P17	**104.5**	**91.4**	54.8	60	57	.	12
Dyna-Gro	GX13231	**101.3**	**87.3**	53.5	59	52	8	.
Dyna-Gro	M77GR61	**101.2**	**76.3**	52.0	61	59	.	11
SS	SS 800	99.0	**94.4**	53.0	56	54	59	4
Alta Seeds	AG2103	98.8	.	53.7	58	50	13	8
Pioneer	84P80	94.5	**74.3**	52.4	59	56	33	1
Gayland Ward	GW 1160	93.1	**73.9**	55.4	57	53	.	12
Alta Seeds	AG3201	91.8	.	49.4	57	55	6	3
Dyna-Gro	M75GR47	91.1	.	50.1	58	50	4	7
SS	SS 655	87.1	**70.5**	53.4	58	51	23	.
Cedek	SB 5874	83.5	.	46.5	55	47	0	9
Athens	103	82.9	**62.0**	50.9	67	59	.	11
Cedek	SB 8144	79.2	.	48.0	53	44	52	11
Athens	104	68.1	**64.9**	53.2	61	56	.	9
Cedek	SB 7144	66.8	.	45.2	54	45	31	11
DeKalb	DKS53-53	64.1	**67.0**	50.9	59	55	9	4
SS	SS 540	56.1	.	49.6	57	53	0	1
Average		91.9[4]	78.6	51.8	58	54	22	7
LSD at 10% Level		18.1	N.S.[5]	N.S.	1	3	16	4
Std. Err. of Entry Mean		7.6	5.2	3.2	1	1	7	2

1. Yields calculated at 14% moisture.
2. Days from planting to 50% bloom.
3. Percent of grain head damaged.
4. CV = 16.6% and df for EMS = 63.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: May 26, 2015.
Harvested: September 16, 2015.
Seeding Rate: 100,00 seed/acre in 30" rows.
Soil Type: Cecil clay loam.
Soil Test: P = Medium, K = Very High, and pH = 5.8.
Fertilization: Preplant: 50 lb N, 100 lb P_2O_5, and 150 lb K_2O/acre. Sidedress: 100 lb N/acre.
Previous Crop: Soybeans.
Management: Chisel plowed, disked, and rototilled; Dual Magnum and one cultivation used for weed control; Transform used for insect control.

Test conducted by H. Jordan and G. Ware.

Griffin, Georgia:
Late-Planted Grain Sorghum Hybrid Performance, 2015
Nonirrigated

Company or Brand Name	Hybrid	Yield[1]	2-Year Average Yield	Test Wt.	50% Bloom[2]	Plant Ht.	Lodging
		bu/acre	bu/acre	lb/bu	days	in	%
SS	SS 540	**165.0**	.	48.9	57	54	0
Dyna-Gro	M77GB52	**157.0**	**90.5**	43.3	56	59	4
Pioneer	83P17	**156.5**	**106.4**	47.3	59	60	5
Athens	101	142.4	**89.6**	47.4	57	52	0
Gayland Ward	GW 9417	120.1	**89.0**	40.8	57	60	94
Dyna-Gro	M75GR47	118.0	.	43.0	57	50	5
Alta Seeds	AG2105	105.4	.	44.7	58	59	46
Alta Seeds	AG3201	93.8	.	32.0	55	51	100
Dyna-Gro	M77GR61	89.9	**65.9**	40.4	59	61	65
Pioneer	84P80	89.8	.	34.5	58	54	98
Alta Seeds	AG3101	88.6	.	40.1	58	59	99
SS	SS 800	78.2	**51.2**	37.0	55	51	99
Athens	102	76.2	**53.0**	35.7	62	60	69
Gayland Ward	GW 1160	75.6	**49.9**	38.5	56	51	80
SS	SS 655	74.9	**51.1**	32.0	60	51	100
Cedek	SB 5874	68.1	.	29.2	55	47	100
Alta Seeds	AG2103	67.9	.	32.6	59	52	100
Cedek	SB 8144	64.3	.	29.5	52	45	86
Dyna-Gro	GX13231	56.8	**58.9**	27.4	57	55	96
Alta Seeds	AG1203	52.5	.	29.7	59	56	97
Cedek	SB 7144	49.7	.	27.0	52	43	100
Average		94.8 [3]	70.5	37.2	57	54	69
LSD at 10% Level		16.5	N.S.[4]	3.2	1	3	14
Std. Err. of Entry Mean		7.0	8.8	1.3	1	1	6

1. Yields calculated at 14% moisture.
2. Days from planting to 50% bloom.
3. CV = 14.7% and df for EMS = 60.
4. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: June 30, 2015.
Harvested: November 24, 2015.
Seeding Rate: 100,000 seed/acre in 30" rows.
Soil Type: Cecil sandy clay loam.
Soil Test: P = Low, K = High, and pH = 6.0.
Fertilization: Preplant: 30 lb N, 60 lb P_2O_5, and 90 lb K_2O/acre. Sidedress: 100 lb N/acre.
Previous Crop: Wheat.
Management: Chisel plowed, disked, and rototilled; Dual Magnum and Atrazine used for weed control; Belt, Prevaton, and Transform used for insect control.

Test conducted by H. Jordan and G. Ware.

Grain Sorghum Hybrid Resistance to Insect and Bird Damage, 2015

Xinzhi Ni, Karen R. Harris-Shultz, Joseph E. Knoll,
Michael D. Toews, and G. David Buntin

A total of 26 grain sorghum hybrids (24 commercial grain sorghum hybrids and a pair of sugarcane aphid resistant and susceptible controls) were evaluated for resistance to insect and bird damage in Tifton, Georgia. A total of 10 insect pests were observed. The insect pests in order of importance are: sugarcane aphid, sorghum webworm, sorghum midge, leaf-footed bug, fall armyworm, corn earworm, corn leaf aphid, stink bugs (southern green and brown stink bugs), and chinch bug. In comparison with sugarcane aphid population and its damage, sorghum webworm, midge and bird damage were relatively low in 2015. Due to low populations, fall armyworm, corn earworm, leaf-footed bug, stink bug, and chinch bug damage data were not included in this report. In addition, diseases were of minimal importance in this trial.

Heavy sugarcane aphid infestation at the seedling stage was observed in the experimental plots that were planted on June 5, 2015. In fact, sugarcane aphid infestation, which generally occurred between mid-July and early August, was so severe that it halted normal plant development before flowering, resulting in 14 hybrids not producing panicles. Missing values in the “Days to Anthesis” column of the following table indicate the hybrids did not produce panicles from main stems. Any panicles from delayed tillers after aphid population crash were not included in the table. Most of these hybrids aborted their panicle development at the flag leaf (or boot) stage. Results from 2015 showed that sugarcane aphid infestation at the seedling stage is much more serious than the post flowering infestation observed in late August 2014.

Although sugarcane aphid damage was rated multiple times throughout the season, the rating recorded on August 7, 2015, was used for this report because this rating best characterized the aphid damage (leaf discoloration) before regrowth of green tillers appeared. Sugarcane aphid damage was ranked using the following scale: Very Good (VG) = no visible aphid damage, and only a few aphids colonizing the leaves; Good (G) = a lot of aphids without damage symptoms, but with honeydew visible on the surface of lower leaves; Fair (F) = high aphid population with lower leaves covered with honeydew, sooty mold, and aphid exuviae (or whitish-caste skins); and Poor (P) = sorghum plants were killed by aphid infestation, or did not produce viable panicles on main stems. Sorghum webworm, midge, and bird damage were ranked before harvest on September 11, 2015. Both sorghum webworm and midge damage were assessed in combination with grain loss according to the following rating scale: Very Good (VG) = 0-15% empty glumes on any of the sorghum panicles in an experimental plot; Good (G) = a few empty glumes (16-30%) observed on a panicle; Fair (F) = 31-75% empty glumes on a sorghum panicle; and Poor (P) = majority of sorghum panicles with more than three quarters (>75%) empty glumes. Finally, bird feeding damage on developing kernels was determined by presence of partial kernels on panicles and evidence of splattering of broken developing kernels falling on top leaves of a plant. Bird damage was rated with the following scale: Very Good (VG) = less than 10% grain loss; Good (G) = 11-25% loss; Fair (F) = 26-50% loss; and Poor (P) = > 50% loss of grains per panicle.

The heavy sugarcane aphid infestation occurred at the seedling stage for a period of approximately four weeks before flowering, and then the aphid population crashed in early August, 2015. Although relatively short in duration, the infestation with high aphid population permanently stopped main stem growth of 14 sorghum hybrids. Only four of the 26 hybrids consistently produced normal panicles from all four replications of the trial. These four hybrids were 'GW 9417' from Gayland Ward, 'GX13231' from Dyna-Gro, 'AG1203' from Alta Seeds, and an aphid resistant control received from the Multi-State Sugarcane Aphid Task Force (shared by Dr. Buntin). Overall, 'GX13231' and 'AG1203' had the least aphid damage and the largest panicles, leading to a Very Good rating. It is important for us to point out that we are not sure whether the seeds of these best performing hybrids were treated with insecticide(s) or not. Nine hybrids flowered normally with relatively moderate aphid damage ratings, leading to a Good rating. One hybrid, 'SB 8144', had relatively high aphid damage, resulting a Fair rating. The remaining 14 hybrids suffered severe aphid damage resulting a Poor rating. Among the 12 hybrids that produced panicles, sorghum webworm and midge damage was not high, and they were ranked from Very Good to Fair. Bird damage on the panicles of the 12 hybrids was very low, and they were ranked between Very Good and Good.

Growers should select insect- and disease-resistant hybrids, the most economical pest management strategy for sorghum production in our region. Producers should be aware that later plantings tend to have increased insect pest and disease pressure. In addition, the bird damage can generally be minimized by timely harvest. For further integrated insect management information, please consult with your local county agents and/or Extension entomologists.

This test was maintained and flowering-date data were collected by Penny Tapp, Aaron Pryor, Erick Vinicius Galvão, Oluwasegun Olorunyolemi, and Tyler Lusk from the Crop Genetics and Breeding Research Unit, USDA-ARS and by David Griffin from the Department of Entomology, University of Georgia-Tifton Campus.

Evaluation of Grain Sorghum Hybrids for Resistance to Insect and Bird Damage, 2015, Tifton, Georgia[1]

Company or Brand Name	Hybrid	Maturity[2]	Days to Anthesis[3]	Aphid Resistance[4]		Webworm and Midge Resistance[5]		Bird-feeding resistance[6]	
				2015	2 years	2015	2+ years	2015	2+ years
Alta Seeds	AG1203	ME	52*	VG		G		VG	
Alta Seeds	AG2103	M	-	P					
Alta Seeds	AG2105	M	54	G		F		VG	G+
Alta Seeds	AG3101	ML	-	P					
Alta Seeds	AG3201	ML	52	G					G
Athens	101	ME	-	P	F-				
Athens	102	M	56	G	G	F	G-	VG	G+
Athens	103	ML	-	P	F-				G
Athens	104	ML	-	P	F				
Cedek	SB 7144	ME	50	G		F		VG	
Cedek	SB 8144	ME	57	F		G		G	
Cedek	SB 8874	ME	-	P					
DeKalb	DKS53-53	M	-	P	F-				VG-
Dyna-Gro	GX13231	ME	52*	VG	VG	VG	G	VG	
Dyna-Gro	M75GR47	M	-	P					
Dyna-Gro	M77GB52	ML	52	G	G	F	G	VG	VG-
Dyna-Gro	M77GR61	ML	-	P	F				
Gayland Ward	GW 1160	ME	-	P	F				
Gayland Ward	GW 9417	M	57*	G	G	F	G-	VG	
Pioneer	83P17	M	56	G	VG-	F	G-	VG	
Pioneer	84P80	M	65	G	G	F	G-	VG	
SS	SS 540	E	-	P					
SS	SS 655	ML	-	P	F-				
SS	SS 800	L	-	P	F-				
Aphid Resistant Check	Tx2752 × Tx2783		58*	G		G		VG	
Aphid Susceptible Check	Tx2752 × Tx430		-	P					

1. The test plots were maintained with irrigation.
2. Maturity denotes early (E), moderately early (ME), medium (M), moderately late (ML), and late (L) of the grain sorghum hybrids, which was provided by the company.
3. Days from planting to 50% bloom, and the four entries with * denotes these entries flowered and produced grains consistently in all four replications. Dashes indicate the lines that did not produce a panicle and were thus not rated for head feeding insect or bird damage.
4. Aphid resistance: Very Good (VG) = no aphid or few aphids colonizing the leaves; Good (G) = a lot of aphids without damage symptoms, but honeydew was visible on the surface of lower leaves; Fair (F) = high aphid population shown by lower leaves covered with honeydew that has attracted predators, bees and wasps. In addition, sooty mold and aphid exuviae are abundant; and Poor (P) = plants with aborted heads caused by heavy aphid infestations at the seeding stage. The "+" or "-" signs of 2-year data denote the inconsistency of damage rankings.
5. Sorghum webworm and midge damage: Very Good (VG) = 0-15%, Good (G) = 16-30%, Fair (F) = 31-75%, and Poor (P) = >75% glumes are without grains on a panicle.
6. Bird-feeding resistance: Very Good (VG) = less than 10% loss; Good (G) = 11-25% loss; Fair (F) = 26-50% loss; and Poor (P) = over 50% loss.

SORGHUM FOR SILAGE

Tifton, Georgia:
Evaluation of Sorghum Hybrids for Silage, 2015, Nonirrigated

Company or Brand Name	Hybrid Name or Number	Forage Yields Dry	Forage Yields Green	Plant Height	Dry Matter	2-Yr. Avg Dry Yield	Disease[1] rating
		--- tons/acre ---		in	%	tons/acre	
Gayland Ward	GW 600 BMR	**4.8**	27.5	100.3	18	**4.6**	.
Southern States	SS 1515F	**4.7**	32.1	71.0	15	**4.7**	.
Sorghum Partners	SPX27614	**4.7**	**35.8**	103.0	13	.	.
Sorghum Partners	SPX27514	**4.6**	34.9	106.0	13	.	.
Southern Harvest	905 (HFS)	4.5	29.8	73.0	15	.	.
Sorghum Partners	SPX23514	**4.4**	30.0	98.5	15	.	.
Sorghum Partners	SPX28414	**4.3**	**38.7**	106.5	11	.	.
Alta Seeds	AF8301	**4.3**	29.3	69.5	15	**5.2**	.
Gayland Ward	Super Sugar	**4.3**	24.8	109.5	17	.	.
Gayland Ward	GW 2120	**4.2**	27.7	97.5	15	.	.
Dyna-Gro	FullGraze	**4.2**	31.2	113.5	14	**5.0**	.
Gayland Ward	Super Sugar(DM)	**4.2**	30.5	114.0	14	.	.
Sorghum Partners	SS405	**4.2**	32.1	113.0	13	**5.4**	.
Athens	HFS 1	**4.2**	27.1	76.5	16	**4.6**	.
Sorghum Partners	NK300	**4.2**	27.3	73.0	15	**4.7**	.
Blade	EJ 7281	4.1	**35.5**	100.5	12	.	.
Gayland Ward	GW 400 BMR	4.1	25.1	97.0	16	**4.4**	.
Sorghum Partners	Hikane II	3.9	25.9	102.5	15	.	.
Sorghum Partners	SP1615	3.9	27.1	88.5	14	.	.
Coffey	Centurion bmr-6	3.9	29.7	71.5	13	**4.7**	.
Sorghum Partners	SP 3903 DB	3.6	26.2	61.5	13	.	.
Coffey	MaxiGain bmr-6	3.5	28.0	75.0	12	**3.9**	.
Moss	MegaGreen PPS Sorghum Sudan	3.4	28.0	100.5	12	.	.
SS	SS 2010 BDF	3.3	25.2	55.5	13	**3.9**	.
Moss	4EverGreen PPS Forage Sorghum	3.3	26.4	88.5	13	.	.
Alta Seeds	AF7301	3.3	23.4	79.0	14	.	.
Dyna-Gro	FullGraze BMR	3.2	26.6	91.0	12	**3.6**	.
Gayland Ward	Silo-Pro BMR DF	3.2	23.4	58.5	14	.	.
Alta Seeds	AF7401	3.1	24.1	55.0	13	**4.3**	.
Blade	DS 7853	2.9	26.8	94.0	11	.	.
Sorghum Partners	SPX37114	2.7	16.2	48.0	17	.	.
Sorghum Partners	SPX37214	2.7	16.8	49.5	16	.	.
Average		3.9 [2]	27.9 [3]	85.6	14	4.5	.
LSD at 10% Level		0.6	3.5	7	1.3	N.S.[4]	
Std. Err. of Entry Mean		0.3	1.5	3	0.5	5.7	

Tifton, Georgia:
Evaluation of Sorghum Hybrids for Silage, 2015, Nonirrigated (Continued)

Company or Brand Name	Hybrid Name or Number	Forage Yields Dry	Forage Yields Green	Plant Height	Dry Matter	2-Yr. Avg Dry Yield	Disease[1]
		--- tons/acre ---		in	%	tons/acre	rating
Ratoon or Regrowth Crop							
Dyna-Gro	FullGraze	**7.2**	34.1	127.5	21	**5.0**	2.0
Blade	EJ 7281	**6.8**	**39.3**	126.0	17	.	1.0
Alta Seeds	AF8301	**6.4**	26.8	92.5	24	**4.7**	2.0
Moss	MegaGreen PPS Sorghum Sudan	6.3	32.7	128.5	19	.	2.0
Dyna-Gro	FullGraze BMR	6.0	30.3	112.5	20	3.9	2.0
Athens	HFS 1	5.9	28.8	91.0	21	4.4	2.3
Gayland Ward	Super Sugar(DM)	5.9	26.5	124.5	22	.	2.5
Gayland Ward	GW 600 BMR	5.9	23.3	121.0	25	4.1	2.3
Coffey	Centurion bmr-6	5.8	29.8	90.0	20	4.1	2.3
Southern Harvest	905 (HFS)	5.8	28.3	88.5	20	.	2.3
Sorghum Partners	SP1615	5.7	29.3	126.0	19	.	3.0
Gayland Ward	Super Sugar	5.3	20.3	116.5	26	.	3.5
Sorghum Partners	SPX28414	5.2	31.0	136.5	17	.	3.0
Sorghum Partners	SP 3903 DB	4.9	23.5	63.5	21	.	2.0
Gayland Ward	Silo-Pro BMR DF	4.8	25.0	73.5	19	.	2.0
Sorghum Partners	SS405	4.7	21.7	125.5	22	3.4	3.0
Sorghum Partners	SPX27514	4.7	23.5	121.5	20	.	3.0
Southern States	SS 1515F	4.6	22.2	79.5	21	3.7	2.5
Sorghum Partners	NK300	4.6	20.5	77.0	23	3.5	2.0
Moss	4EverGreen PPS Forage Sorghum	4.6	23.4	108.5	20	.	2.5
Gayland Ward	GW 400 BMR	4.5	19.1	116.5	23	3.2	3.5
Sorghum Partners	SPX23514	4.4	20.0	113.5	22	.	3.3
Alta Seeds	AF7401	4.1	20.4	63.5	20	3.1	2.0
Sorghum Partners	SPX37114	4.1	16.9	54.0	24	.	3.0
SS	SS 2010 BDF	4.1	18.2	63.0	22	3.0	2.5
Coffey	MaxiGain bmr-6	4.0	20.5	87.0	20	2.8	2.0
Sorghum Partners	Hikane II	4.0	18.5	120.5	22	.	2.8
Alta Seeds	AF7301	4.0	17.0	96.5	23	.	3.0
Gayland Ward	GW 2120	3.9	17.9	101.5	22	.	3.0
Sorghum Partners	SPX27614	3.8	19.8	129.0	19	.	3.0
Blade	DS 7853	3.7	19.9	113.0	18	.	2.5
Sorghum Partners	SPX37214	3.1	12.6	63.0	25	.	3.0
Average		5.0 [5]	23.8 [6]	101.6	21	3.8	2.5
LSD at 10% Level		0.8	3.6	9.2	1.6	0.5	0.6
Std. Err. of Entry Mean		0.3	1.5	3.9	0.7	0.2	0.2

Tifton, Georgia:
Evaluation of Sorghum Hybrids for Silage, 2015, Nonirrigated (Continued)

1. Rated as 1 = resistant to 5 = highly susceptible to foliar diseases.
2. CV = 13.7% and df for EMS = 93.
3. CV = 10.8% and df for EMS = 93.
4. The F-test indicates no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
5. CV = 12.8% and df for EMS = 93.
6. CV = 13.3% and df for EMS = 93.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted:	April 23, 2015.
Harvested:	June 25, 2015. Ratoon: September 2, 2015.
Seeding Rate:	100,000 seed/acre in 30" rows.
Soil Type:	Tifton loamy sand.
Soil Test:	P = High, K = High, and pH = 5.9.
Fertilization:	Preplant: 65 lb N, 50 lb P_2O_5, and 155 lb K_2O/acre.
Previous Crop:	Summer annuals.
Management:	Disked, subsoiled/bedded, and rototilled; Round-up used for burn down; Dual Magnum, Atrazine, and Warrant used for weed control; Transform and Sivanto used for insect control; Telone II used for nematode control.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

Griffin, Georgia:
Evaluation of Sorghum Hybrids for Silage, 2015, Nonirrigated

Company or Brand Name	Hybrid Name or Number	Forage Yields		Plant Height	Dry Matter	2-Yr. Avg Dry Yield
		Dry	Green			
		--- tons/acre ---		in	%	tons/acre
Alta Seeds	AF8301	**7.4**	**34.2**	74.5	22	**6.2**
Dyna-Gro	FullGraze	**7.0**	**35.3**	129.5	20	**6.1**
Southern States	SS 1515F	**6.7**	31.3	74.8	22	**5.8**
Blade	EJ 7281	6.3	**36.3**	122.0	17	.
Southern Harvest	905 (HFS)	6.2	30.6	80.3	20	.
Athens	HFS 1	6.0	30.9	82.0	19	5.3
Moss	MegaGreen PPS Sorghum Sudan	5.8	**36.2**	119.0	16	.
Gayland Ward	Super Sugar(DM)	5.6	29.0	116.0	19	.
SS	SS 2010 BDF	5.5	29.7	63.0	18	5.0
Blade	DS 7853	5.3	**33.6**	101.3	16	.
Moss	4EverGreen PPS Forage Sorghum	5.2	**34.0**	111.5	15	.
Dyna-Gro	FullGraze BMR	5.1	29.8	105.3	17	5.0
Gayland Ward	GW 2120	5.0	23.2	98.0	22	.
Alta Seeds	AF7401	5.0	27.6	61.8	18	5.0
Gayland Ward	Silo-Pro BMR DF	4.9	26.1	64.8	19	.
Coffey	MaxiGain bmr-6	4.7	**33.2**	95.5	14	5.0
Gayland Ward	Super Sugar	4.7	20.1	106.0	23	.
Gayland Ward	GW 400 BMR	4.5	21.6	92.3	21	4.8
Coffey	Centurion bmr-6	4.1	21.9	79.8	19	4.5
Gayland Ward	GW 600 BMR	4.1	19.3	99.5	21	5.1
Alta Seeds	AF7301	3.7	17.3	92.5	21	.
Average		5.4 [1]	28.6 [2]	93.8	19	5.3
LSD at 10% Level		1.0	4.6	9.0	2.2	0.8
Std. Err. of Entry Mean		0.4	1.9	4.0	1	0.3

Griffin, Georgia:
Evaluation of Sorghum Hybrids for Silage, 2015, Nonirrigated (Continued)

Company or Brand Name	Hybrid Name or Number	Forage Yields		Plant Height	Dry Matter	2-Yr. Avg Dry Yield
		Dry	Green			
		--- tons/acre ---		in	%	tons/acre
Ratoon or Regrowth Crop						
Alta Seeds	AF8301	**3.1**	**20.3**	57.3	15	**2.1**
Southern States	SS 1515F	**3.0**	**19.6**	58.0	15	**2.2**
Gayland Ward	GW 2120	**3.0**	**20.6**	69.5	14	.
Gayland Ward	GW 600 BMR	**2.9**	**18.9**	74.0	15	**1.9**
Athens	HFS 1	**2.7**	17.0	58.3	16	**1.9**
Southern Harvest	905 (HFS)	**2.7**	17.4	51.3	15	.
Dyna-Gro	FullGraze	2.6	**18.5**	79.3	14	**2.2**
Blade	EJ 7281	2.4	**18.5**	68.8	13	.
Alta Seeds	AF7401	2.4	16.5	45.5	14	**2.3**
Gayland Ward	GW 400 BMR	2.3	17.1	62.8	14	**1.9**
Gayland Ward	Super Sugar	2.3	14.9	72.0	16	.
Gayland Ward	Super Sugar(DM)	2.3	16.9	72.5	14	.
Moss	MegaGreen PPS Sorg	2.3	16.8	66.8	14	.
SS	SS 2010 BDF	2.3	15.6	44.5	15	**1.9**
Blade	DS 7853	2.2	15.5	58.0	14	.
Alta Seeds	AF7301	2.0	14.4	60.3	14	.
Moss	4EverGreen PPS For	2.0	14.6	57.0	14	.
Gayland Ward	Silo-Pro BMR DF	1.8	11.4	40.8	16	.
Coffey	MaxiGain bmr-6	1.8	13.4	56.8	13	1.7
Dyna-Gro	FullGraze BMR	1.8	12.3	57.8	14	1.2
Coffey	Centurion bmr-6	1.6	10.4	49.5	15	1.3
Average		2.4 [3]	16.2 [4]	60.0	14	1.9
LSD at 10% Level		0.4	2.8	6.8	1.2	0.4
Std. Err. of Entry Mean		0.2	1.2	2.9	0.5	0.2

1. CV = 15.4% and df for EMS = 60.
2. CV = 13.6% and df for EMS = 60.
3. CV = 14.7% and df for EMS = 60.
4. CV = 16.2% and df for EMS = 60.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: May 21, 2015.
Harvested: August 19, 2015.
Ratoon: October 7, 2015.
Seeding Rate: 100,000 seed/acre in 30" rows.
Soil Type: Cecil sandy clay loam.
Soil Test: P = Low, K = High, and pH = 6.6.
Fertilization: Preplant: 30 lb N, 60 lb P_2O_5, and 90 lb K_2O/acre. Sidedress: 100 lb N/acre.
Previous Crop: Fallow.
Management: Chisel plowed, disked, and rototilled; Dual Magnum used for weed control; Transform used for insect control.

Test conducted by H. Jordan and G. Ware.

SUMMER ANNUAL FORAGES

Tifton, Georgia: Evaluation of Summer Annual Forage, 2015, and Two-Year Average Yields, 2014-2015

Company or Brand Name	Hybrid Name or Number	Clipping Dates 7-14-15	Clipping Dates 9-1-15	Season Total	2-Year Average
		--------- dry matter yield - pounds per acre ---------			
Sorghum x Sudangrass					
Gayland Ward	Sweet Six BMR Dry Stalk	**9554**	8578	**18132**	**14949**
Alta Seeds	AS5201	7245	**10291**	**17536**	**15435**
Alta Seeds	AS6401	**8041**	**9028**	**17069**	**14122**
Gayland Ward	Super Sugar	**8579**	8319	**16898**	**15712**
Moss	MegaGreen PPS Sorghur	7237	**8655**	**15891**	.
Gayland Ward	Nutra-King BMR	7611	8080	**15691**	.
Blade	F2P134	7313	8339	**15652**	.
Sorghum Partners	Sordan Headless	7517	7803	15320	.
Gayland Ward	Super Sugar(DM)	7086	7785	14870	**14097**
Sorghum Partners	SDH 2942BMR	7071	7750	14821	13472
SS	SS-220BMR	7482	7256	14738	**14159**
Alta Seeds	AS9302	6761	7396	14158	**14254**
Dyna-Gro	F75FS13	6691	7462	14153	12225
Coffey	Xtragraze bmr	7373	6689	14062	13406
Moss	4EverGreen PPS Forage	7564	5999	13563	.
Dyna-Gro	705F (SGxS)	7567	5513	13080	12242
Blade	CB 7290	6377	6396	12772	.
Alta Seeds	AS6402	5915	6842	12757	12043
Athens	SS 1	6587	5700	12288	10540
SS	SS130BMR	6934	5197	12131	11926
Gayland Ward	Sweet Forever BMR	5646	6343	11989	12409
Coffey	Surpass bmr dw (SGxS)	6044	5346	11390	11472
Dyna-Gro	F75FS28 BMR	6762	4560	11322	11236
Sorghum Partners	SPX59014	4881	6316	11197	.
Average		7077	7152	14228 [1]	13159
LSD at 10% Level		1562	1658	2806	1651
Std. Err. of Entry Mean		662	703	1190	703

Pearl Millet		Clipping Dates 6-25-15	Clipping Dates 8-10-15		
SS	SS 635 DF	**10468**	**6079**	**16547**	**14128**
UGA	Tifleaf 3	**9662**	**6793**	**16455**	**13006**
Coffey	Leafy 22	8945	**6798**	**15743**	.
Athens	HPM 1	**9075**	4763	13839	**11971**
Coffey	ExCeed bmr	8233	5197	13430	**10711**
SS	SS 1562M BMR	7903	5219	13121	.
Average		9048	5808	14856 [2]	12454
LSD at 10% Level		1494	1023	1386	N.S. [3]
Std. Err. of Entry Mean		603	412	559	402

Tifton, Georgia: Evaluation of Summer Annual Forage, 2015, and Two-Year Average Yields, 2014-2015 (Continued)

1. CV = 16.7% and df for EMS = 69.
2. CV = 7.5% and df for EMS = 15.
3. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted:	April 23, 2015.
Seeding Rate:	Sorghum x Sudangrass: 150,000 seed/acre in 30" rows. Millet: 500,00 seed/acre in 30" rows.
Soil Type:	Tifton loamy sand.
Soil Test:	Sorghum x Sudangrass: P = Medium, K = Low, and pH = 6.0. Millet: P = High, K = High, and pH = 5.9.
Fertilization:	Preplant: 65 lb N, 50 lb P_2O_5, and 155 lb K_2O/acre. Sidedress: 50 lb N/acre, plus 50 lb N/acre after 1st harvest.
Previous Crop:	Sorghum x Sudangrass: Wheat. Millet: Summer Annuals.
Management:	Disked, subsoiled/bedded, and rototilled; Round-up used for burn down; Dual Magnum, Atrazine, and Warrant used for weed control; Transform and Sivanto used for insect control; Telone II used for nematode control.

Test conducted by D. Dunn, A. Coy, R. Brooke, B. McCranie, and G. South.

Griffin, Georgia:
Evaluation of Summer Annual Forage, 2015, and Two-Year Average Yields, 2014-2015

Company or Brand Name	Hybrid Name or Number	Clipping Dates 7-8-15	8-10-15	10-9-15	Season Total	2-Year Average
		--- dry matter yield - pounds per acre ---				
Sorghum x Sudangrass						
Moss	4EverGreen PPS Forage S	**6984**	2080	**5719**	**14783**	.
Alta Seeds	AS5201	**6472**	**4059**	3996	**14527**	**15060**
Gayland Ward	Sweet Forever BMR	5829	2599	**5963**	**14391**	12860
SS	SS-220BMR	6052	**3887**	3856	**13794**	**14050**
Gayland Ward	Sweet Six BMR Dry Stalk	6081	**3740**	3845	**13667**	**14153**
Dyna-Gro	F75FS13	**7112**	2554	3832	**13498**	12814
Moss	MegaGreen PPS Sorghum S	5835	2248	**5318**	**13402**	.
Dyna-Gro	705F (SGxS)	**6619**	2739	3986	**13344**	13955
Gayland Ward	Super Sugar	5336	3396	4499	**13231**	13937
Dyna-Gro	F75FS28 BMR	5899	2133	**4918**	12950	12625
Gayland Ward	Super Sugar(DM)	5889	2645	4190	12724	13427
Alta Seeds	AS9302	4492	3401	4764	12657	12275
Blade	CB 7290	6073	1153	**5401**	12627	.
Gayland Ward	Nutra-King BMR	5354	**3803**	3352	12509	.
Blade	F2P134	5741	2844	3871	12456	.
Coffey	Surpass bmr dw (SGxS)	5328	2428	3810	11566	11274
Coffey	Xtragraze bmr	5633	2781	2935	11350	12126
Alta Seeds	AS6401	5355	2894	2991	11240	12503
SS	SS130BMR	3529	2446	4402	10376	9868
Athens	SS 1	4980	1722	3593	10295	11427
Alta Seeds	AS6402	5064	2419	2377	9861	11301
Average		5698	2761	4172	12631 [1]	12728
LSD at 10% Level		814	554	1146	1570	1064
Std. Err. of Entry Mean		344	235	485	665	4404

Pearl Millet		Clipping Dates 7-8-15	8-27-15	Season Total	2-Year Average
UGA	Tifleaf 3	**7619**	**4418**	**12037**	**13047**
Coffey	Leafy 22	**8307**	**3626**	**11932**	.
SS	SS 635 DF	**6840**	**4404**	**11244**	**12230**
SS	SS 1562M BMR	**6561**	**4323**	**10884**	.
Coffey	ExCeed bmr	**7094**	**3748**	**10843**	10905
Athens	HPM 1	**7199**	**3057**	**10256**	10681
Average		7270	3929	11199 [2]	11716
LSD at 10% Level		N.S.[3]	N.S.	N.S.	896
Std. Err. of Entry Mean		457	421	367	365

Griffin, Georgia:
Evaluation of Summer Annual Forage, 2015, and Two-Year Average Yields, 2014-2015 (Continued)

1. CV = 10.5% and df for EMS = 60.
2. CV = 8.8% and df for EMS = 18.
3. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

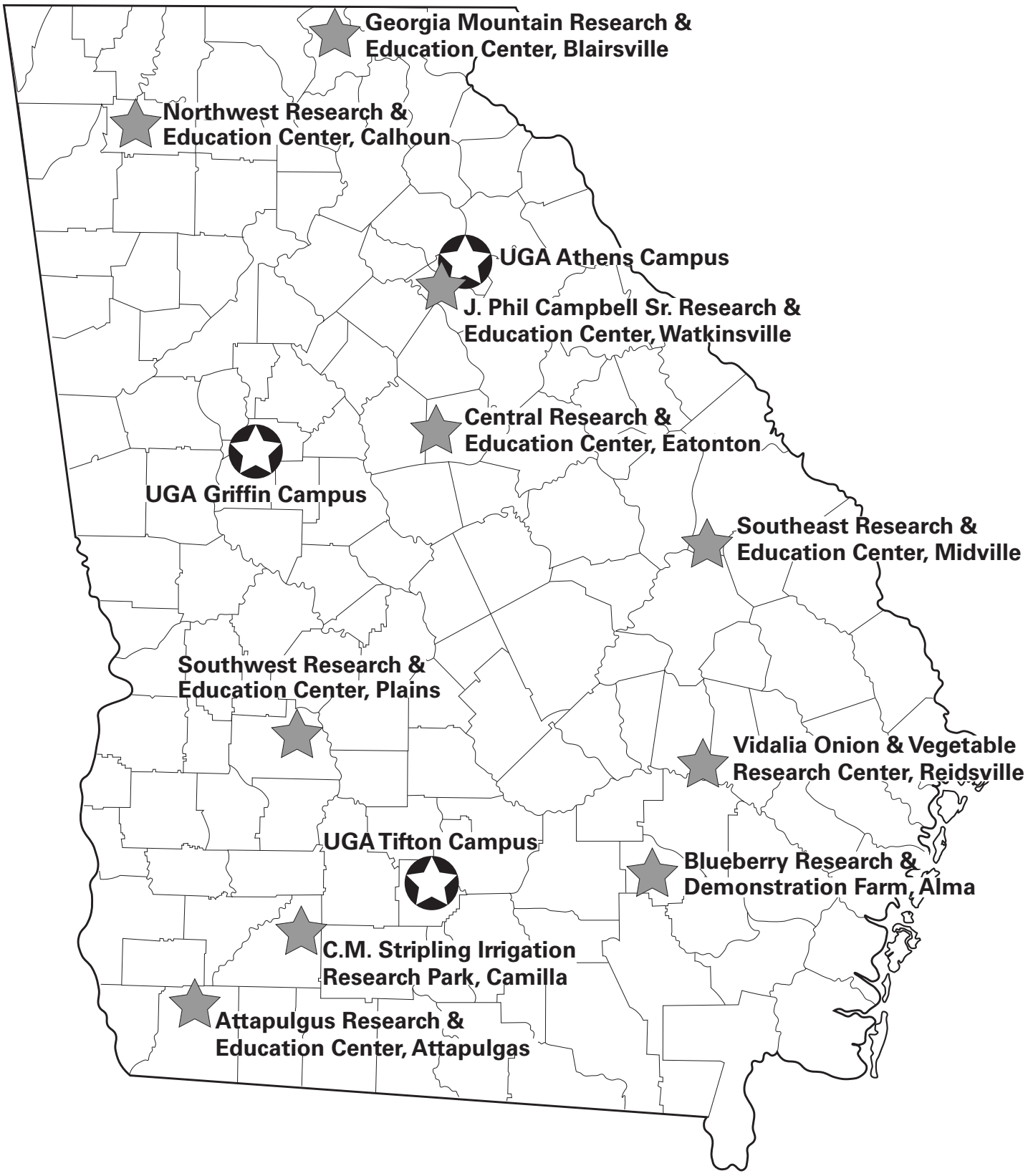
Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted:	Sorghum x Sudangrass: May 21, 2015. Pearl Millet: May 15, 2015.
Seeding Rate:	Sorghum x Sudangrass: 150,000 seed/acre in 30" rows. Pearl Millet: 500,000 seed/acre in 30" rows.
Soil Type:	Cecil clay loam.
Soil Test:	Sorghum x Sudangrass: P = Medium, K = High, and pH = 6.0. Pearl Millet: P = Low, K = High, and pH = 6.6.
Fertilization:	Preplant: 50 lb N, 100 lb P_2O_5, and 150 lb K_2O/acre. Sidedress: Sorghum x Sudangrass: 50 lb N/acre, plus 50 lb N/acre after 1st and 2nd harvests. Pearl Millet: 50 lb N/acre, plus 50 lb N/acre after 1st harvest.
Previous Crop:	Sorghum x Sudangrass: Soybeans. Pearl Millet: Fallow.
Management:	Sorhgum x Sudangrass: Chisel plowed, disked, and rototilled; Dual Magnum and one cultivation used for weed control; Gramoxone used for burn down immediately after 1st harvest; Belt and Transform used for insect control. Pearl Millet: Chisel plowed, disked, and rototilled; one cultivation used for weed control; Gramoxone used for burn down immediately after 1st harvest.

Test conducted by H. Jordan and G. Ware.

Sources of Seed for the 2015 Grain Sorghum, Silage Sorghum, and Summer Annual Forage Tests

Brand or Variety Name	Company and Address
Alta Seeds	Advanta US, Inc., PO Box 2685, 301 South Polk, Suite #350, Amarillo, TX 79015.
Athens	Athens Seed Co., 63 Depot Street, Watkinsville, GA 30677.
Blade	Ceres, Inc., 1535 Rancho Conejo Blvd., Newbury Park, CA 91320.
Cedek, Coffey	Coffey Forage Seeds, Inc., 2106 S. Date Street, Plainview, TX 79072.
DeKalb	Monsanto Company, 982 U.S. Hwy. 77, Bishop, TX 78343.
Dyna-Gro	CPS Dyna-Gro, 114 W. 12th Street, Suite D, Tifton, GA 31974.
Gayland Ward	Gayland Ward Seed Co. Inc., 4395 US Hwy 60, Hereford, TX 79045.
Moss Seed	Walter Moss Seed Co., PO Box 21114, Waco, TX 76702.
Pioneer	Dupont Pioneer, 59 Greif Parkway, Suite 200, Delaware, OH 43015.
Southern Harvest	Richardson Seeds Ltd., 3095 County Road 26, Vega, TX 79092.
Sorghum Partners	Chromatin, Inc., 8509 Venetia Avenue, Lubbock, TX 79424.
SS, Southern States	Southern States Coop, PO Box 26234, 6606 West Broad Street, Richmond, VA 23260.
UGA	University of Georgia, Tifton Campus, 2360 Rainwater Road, Tifton, GA 31793.


Georgia Mountain Research & Education Center, Blairsville
Northwest Research & Education Center, Calhoun
UGA Athens Campus
J. Phil Campbell Sr. Research & Education Center, Watkinsville
Central Research & Education Center, Eatonton
UGA Griffin Campus
Southeast Research & Education Center, Midville
Southwest Research & Education Center, Plains
Vidalia Onion & Vegetable Research Center, Reidsville
UGA Tifton Campus
Blueberry Research & Demonstration Farm, Alma
C.M. Stripling Irrigation Research Park, Camilla
Attapulgus Research & Education Center, Attapulgas
CAES Campus
Research Center

University of Georgia
Agricultural Experiment Stations
Athens, Georgia 30602
Robert Shulstad, Associate Dean

Publication
Penalty for Private Use $300

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- Certified seed can only be conditioned in an approved facility.
- Certified seed must meet high quality standards as to germination and purity.
- Free of noxious weeds.

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